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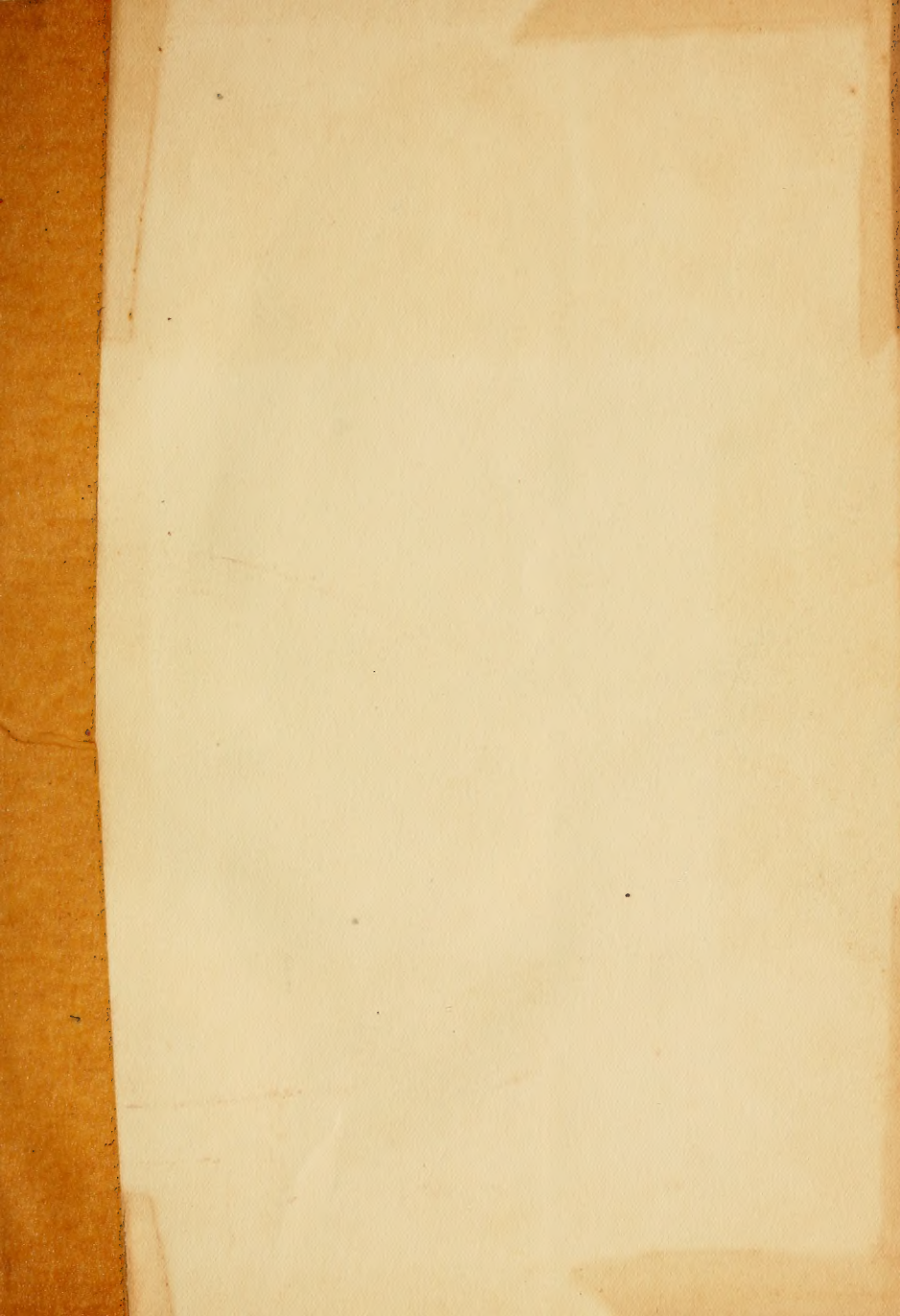
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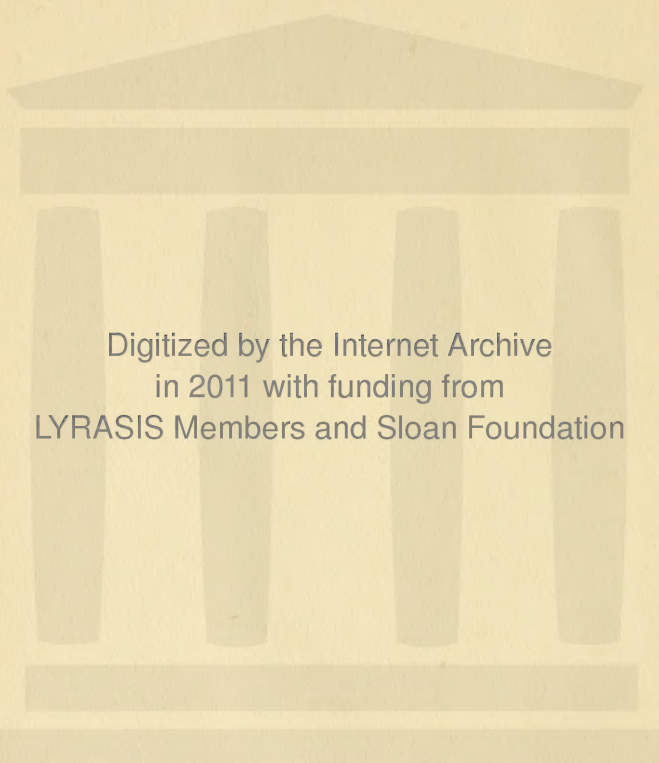
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HAVERFORD COLLEGE BULLETIN

VOL. V

TENTH MONTH, 1906

No. 1

Reports of the Board of Managers
President of the College and
Treasurer of the Corporation
1905-1906



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THE CORPORATION
OF
HAVERFORD COLLEGE

REPORTS OF
BOARD OF MANAGERS
PRESIDENT OF THE COLLEGE
TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING
TENTH MONTH 9th, 1906.

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Secretary.

J. STODDELL STOKES.....1011 Diamond St., Philadelphia

Treasurer.

ASA S. WING.....409 Chestnut St., Philadelphia

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Term Expires 1907.

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235 Chestnut St., Phila. 529 Arch St., Phila.

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Committee on College Property and Farm.

SAMUEL L. ALLEN	ABRAM F. HUSTON
DAVID SCULL	FREDERIC H. STRAWBRIDGE
FRANCIS STOKES	JOHN M. WHITALL

The chairman of the Board of Managers is *ex-officio* a member of all standing committees.

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ALLEN CLAPP THOMAS, A. M.

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LYMAN BEECHER HALL, Ph. D.

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WILFRED PIRT MUSTARD, Ph. D.

Professor of Latin

HENRY SHERRING PRATT, Ph. D.

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RUFUS MATTHEW JONES, A. M., Litt. D.

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HAVERFORD COLLEGE.

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Superintendent of Buildings and Grounds.

RICHARD LUCIUS CARY, A. B.
Assistant in the Chemical Laboratory

*Absent 1906-7.

REPORT OF THE BOARD OF MANAGERS
OF
THE CORPORATION
OF
HAVERFORD COLLEGE
1906

Your Board of Managers respectfully reports that a year of satisfactory work was concluded on Commencement Day, Sixth Month 15th last, when the degree of Bachelor of Arts was conferred on twenty-nine students, the degree of Bachelor of Science on eight students, and seven others were created Masters of Arts for having conformed with our requirements for advanced study.

At the same time the honorary degree of Doctor of Laws was conferred upon Albert K. Smiley, of the Class of 1849, in recognition of his success as an educator and of his high character as a Christian citizen, manifested especially in the conferences he has conducted for many years for the elevation of the native races of our country, and also for the promotion of the cause of International Arbitration.

At the last annual meeting of the Corporation an amendment to our Charter was adopted, and the Board of Managers was instructed to ask the Court of Common Pleas of Delaware County to grant its approval. The Court having sanctioned the amendment, your Board directed the Nominating Committee of the Corporation to present its nominations for twenty-four Managers in

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accordance with the provisions of the amendment, by dividing the number into three classes of eight to serve for one year, eight to serve for two years, and eight to serve for three years. Under this change, hereafter only eight Managers will be elected each year, the others holding over.

During the past year, our friend, Richard M. Jones, felt obliged to tender his resignation as a member of our Board, which was accepted with regret.

Since our last report two valued fellow Managers have been removed by death.

The following minutes were adopted at our meeting held First Month 19th last:

"This Board wishes to record its regret at the death of our associate, J. Preston Thomas, which occurred on the 20th day of Eleventh Month, 1905.

"J. Preston Thomas entered the College as a student in 1860 and left at the end of the Sophomore Year. In 1887 he was elected a Manager and served until his death. During recent years he acted as Chairman of the Committee on College Property and Farm, where his ripe judgment and practical knowledge rendered his services of great value to the College. His loss will be deeply felt, not only in this Board, but elsewhere, and especially in the community in which he lived, where he was active in the management of financial and charitable institutions, and met the duties of a good citizen with ability, fidelity, and unselfish interest."

"In the death of Philip C. Garrett on the 9th of Twelfth Month, 1905, after a lingering illness, Haverford has lost one who has been actively identified with its progress for over forty years. Graduated from the College in

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1851, he was elected a Manager in 1862 and served as Secretary of the Corporation from 1864 to 1875. He was one of the few who established the Alumni Association in 1856, was chief editor of the College History, and so long as health permitted served on various committees of this Board, with earnest devotion to the interests of the College. His fellow Managers will greatly miss the benefit of his sound judgment, the influence of his genial spirit, and the example of his Christian faith in the value of all movements for the betterment of mankind.

"In financial, educational and philanthropic circles, Philip C. Garrett's services were varied and conspicuous. He was one of the Trustees of Bryn Mawr College appointed by its founder, and for the last eleven years was President of its Board. He was appointed by President Harrison on the Board of U. S. Indian Commissioners, and continued a member until his death; was President of the State Board of Public Charities and of the Lunacy Commission; was active in the National Conference of Charities and Correction and was constant in promoting the cause of International Peace.

"His career as a civic reformer is part of the history of Philadelphia. These varied activities were marked by no desire for the honors or emoluments of office, but resulted from a sincere desire to promote the welfare of humanity. Philip C. Garrett's associates in many fields of usefulness have borne testimony to the devoted zeal, the untiring energy, the hopeful patience and the strength of character which qualified him for the various places he filled with dignity and success."

To fill the vacancies created by the above losses the

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Board elected Seth K. Gifford, John M. Whittall and Charles J. Rhoads.

We are indebted to our friend, Elliston P. Morris, who has given \$1,000 to establish a fund, the income therefrom to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. Conditions have been adopted to govern the award of the prize, which is to be of the value of \$80.00, given in alternate years under the direction of our Faculty.

The Treasurer's account presented herewith shows the financial transactions for the past year. The payments for current expenses have exceeded the current receipts by \$7,360.45. Of this amount, however, \$6,245.45 was applied toward the cost of the new dining hall for the excess over and above the actual subscriptions received for this purpose. The greater part, if not all of this amount, will be paid back to the College in the near future from subscriptions still outstanding. The total cost of the Dining Hall with the improvements to Founders' Hall was \$54,609.04.

The debt of the Corporation at the close of the fiscal year was \$115,374.99, being \$5,960.76 more than reported a year ago.

Two important sales of land for account of the Jacob P. Jones Endowment Fund have been made during the year, on account of which the sum of \$29,685.60 was paid, as shown in the financial statement. The balance of \$112,000 has been settled for since the closing of the Treasurer's account, and will appear in his next statement.

Gifts during the year amounting to \$36,763.53 from 163 donors in amounts ranging from \$5.00 to \$9,000

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from a single person, testify to the continued loyal support given to the College by its friends. Details of our financial condition will be found in the Treasurer's statements submitted herewith.

We refer to the report of President Sharpless for fuller particulars regarding the operations of the past year.

Grateful for the favors received in the past, and realizing the need of constant effort to maintain our standards in scholarship and material equipment, your Board solicits the continued confidence and support of the many friends who have contributed in various ways to establish our College upon its present honorable foundation.

On behalf of the Board,

T. WISTAR BROWN, *President.*

HOWARD COMFORT, *Secretary*

Philadelphia,

Tenth Month 9th, 1906.

PRESIDENT'S REPORT

To the Board of Managers:

The President reports the register of attendance during the last and present years as follows:

Attendance

1905-6

Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom.	Freshmen	Total
20	4	37	27	31	43	162

1906-7

Fac- ulty	Gradu- ates	Seniors	Juniors	Sophom.	Freshmen	Total
20	5	32	27	38	45	167

Of these 10 are day students, leaving 137 in the College rooms. This fills all our available space.

One year ago attention was called to the special students and to the fact that under certain circumstances they might be a disadvantage to our standards. Of the 15 in last year's catalogue, 6 will not return another year; 5 have worked themselves into regular standing and the remaining 4 are good students, who for special reasons prefer a partial course. From this it will be seen that the class of special students is not a permanent one and if carefully managed need not affect the regular conditions.

The only change in the Faculty for the present year has been brought about by leave of absence granted Frederic Palmer, Jr., for

Faculty
Changes

HAVERFORD COLLEGE.

one year, for purposes of study. His place has been filled by the appointment of Alpheus W. Smith. Dr. Smith is a Bachelor of Arts of the University of West Virginia, and a Doctor of Philosophy of Harvard University. During the past year he has been Instructor in Physics in Bowdoin College.

Lectures and Public Events

The lectures and other public affairs for the last collegiate year were as follows:

Haverford Library Lectures:

"The Laws of Friendship—Human and Divine," three lectures by Dr. Henry Churchill King, President of Oberlin College.

2nd mo. 16th, 17th and 19th, 1906.

The Thomas Shipley Lecture on English Literature:

"John Dryden," by Professor LeBaron Russell Briggs, of Harvard University.

4th mo. 25th, 1906.

By courtesy the following lectures before the "Cercle Français de Haverford" were delivered in Roberts Hall:

"Le Voyage de Monsieur Perrichon" (Comédie par Labiche et Martin), by M. Édouard Lance de Parenty, of New York.

11th mo. 1st, 1905.

"La Poésie au Dix-Neuvième Siècle: Musset, Lamartine, Hugo," by M. Florian Vurpillot, of the University of Pennsylvania.

12th mo. 7th, 1905.

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“La Chanson Populaire en France” (avec chant), by M. Julien Tiersot, Bibliothécaire du Conservatoire, Paris. 1st mo. 9th, 1906.

“Interprétation et explication de morceaux choisis de poésie française: Villon, Ronsard, Malherbe, Béranger, Musset, Banville, Hugo, Richespin, etc.” by M. A. Schinz, Associate Professor of French Literature in Bryn Mawr College. 2nd mo. 13th, 1906.

“Le Luthier de Crémone,” by François Coppée), read by M. P. E. Giroud, licencié-ès lettres, officier d’académie, Professor in Girard College. 3rd mo. 8th, 1906.

“Le Vieux Paris: Souvenirs Historiques et Littéraires” (Illustrated), by Professor L. A. Loiseaux, of Columbia University. 4th mo. 11th, 1906.

Other Lectures:

“Some Phases of the Negro Problem,” by Dr. Booker T. Washington, of Tuskegee Institute. Lecture delivered under the auspices of the Civics Department of the Loganian Society. 12th mo. 6th, 1905.

“Jujutsu: Its Historical and Educational Value” (Demonstrated) by Professor M. Honda, of Tokio, Japan. 12th mo. 7th, 1905.

“South Africa: Land and People,” by Ernest William Brown, Sc. D., F.R.S., Pro-

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fessor of Mathematics in Haverford College. Lecture delivered under the auspices of the Phi Beta Kappa Society, Zeta Chapter of Pennsylvania. 1st mo. 11th, 1906.

"The Progress of the Colored Race" (Illustrated), by G. F. Richings. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

3rd mo. 19th, 1906.

Other Public Events:

Annual contest in extemporaneous speaking, between the Sophomore and Freshman classes, for the Everett Society Medal.

5th mo. 1st, 1906.

Annual contest in oratory, between the Senior and Junior classes, for the Alumni Prize.

5th mo. 22nd, 1906.

Commencement Day. Commencement exercises, with address to the graduates by James Tyson, M. D. (Haverford College, Class of 1880), Professor of Medicine in the University of Pennsylvania. Exhibition of the autograph collection made by the late Charles Roberts and presented to Haverford College by Lucy B. Roberts. Informal Alumni program. Alumni business meeting. Alumni Oration by Francis Reeve Cope, Jr., (Haverford College, Class of 1900).

6th mo. 15th, 1906.

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When the report of a year ago was written, we were in the difficult situation of having to care for the students in an incomplete state of the dining-room and kitchen. This condition lasted until about New Year, but was borne by the students with commendable patience. No one who sees the new dining-hall or experiences the conveniences of the kitchen will think that the money and effort were wasted. The whole cost, including certain repairs to Founders' Hall with which it is connected, was about \$54,500.

The New
Dining-Hall
and Kitchen

The plant for heating and lighting the College has been under construction for a number of years. Underground ducts have been laid, and boilers, engines and dynamos procured. The buildings have been wired for electricity and piped for steam heat. The structure in which the boilers and engines were housed was, however, a temporary one of corrugated iron and wood, which was thoroughly inadequate and uncomfortable. The necessities of the case forced us to undertake the erection of a new building for the purpose, and an addition to our machinery so as to possess an alternate plant in case of a break-down. The estimated expense for this was about \$25,000, and in the spring your Board authorized the expenditure of this amount, provided it could be raised by private subscription. Coming immediately upon the dining-hall subscription, there seemed to be some doubt of success;

The New
Power House

HAVERFORD COLLEGE.

but the friends of the College supplied the money, and at the time of writing the machinery is purchased and a fire-proof house is nearly complete. Some inconvenience has, however, resulted in the early days of opening the College, and it will be a month or more before everything is in perfect condition. As with the other recent improvements, it will satisfy the wants of a larger college for many years to come.

Dormitory Accommoda- tions

The necessary arrangements for boarding the present number of students are now practically supplied. If the College is to increase, the number of dormitory accommodations must be increased. This can be done by additional sections to Lloyd Hall and by remodeling the old Grammar School Gymnasium so as to accommodate a few students. One or both of these should be considered at an early date. The alternative would be to limit the number. There also remain certain minor improvements to the buildings mentioned in the report of a year ago which should not be longer delayed.

The College Grounds

About three hundred trees and shrubbery have been planted on the lawn during the year under the care of the Committee on College Property, and a number of concrete walks have been laid.

The Need of a Science Hall

Besides the dormitory accommodations, which may be increased indefinitely, the great need of the College is now a large building for laboratories and lecture-rooms. The three

HAVERFORD COLLEGE.

main branches of science (Biology, Chemistry and Physics) should each have its separate quarters. The buildings should also contain some large lecture or recitation rooms for classes in other subjects. To build and properly equip such a hall would probably cost \$150,000. As the three main subjects could be separated from each other by vertical partitions, each part could, if necessary, be erected at a separate time from the others. When the new dining-hall was built it was assumed that the old Gymnasium building, now used for chemical and physical laboratories, would be torn away, and the appearance of the grounds would certainly demand this. If any friend of the College would feel like giving us one of these laboratory buildings, he would satisfy an urgent need and probably enable the other parts to be procured more readily.

The Class of 1906 announced at Commencement that they wished to present to the College the sum of \$750 for a stone gateway at the main entrance on the north side of the grounds. The plans for this work are now being completed. We are also the recipients of a donation from Elliston P. Morris of \$1,000 to constitute a fund the income of which is to be used as prizes for papers by undergraduates and recent graduates on international arbitration and peace. The first award of \$80 will be made in 1908.

The Library continues its useful work.

Other Gifts to
the College

Library

HAVERFORD COLLEGE.

During the year ending Ninth month 30th, 1906, there were added to it 1,639 volumes, of which 899 were bought, 340 were gifts, 10 were exchanged for duplicates, 194 came from the Government as a United States Depository, and 196 were periodicals and pamphlets bound. The total number of bound volumes in the Library at the above date was 47,091.

During the year 7,578 volumes were withdrawn for use outside the building. Of this number 3,614 were withdrawn by students, 2,184 by members of the Faculty, 550 by residents on the College grounds and in the neighborhood, and 1,230 volumes were withdrawn for use over night.

The Library is under obligations for valuable contributions. Among the gifts are a set of the elephant folio edition of Audubon and Bachman's *Quadrupeds of North America*, and Nuttall's *North American Sylva* from Anna Morris; 48 volumes of State railroad and statistical reports from Stuart Wood; 40 volumes of *Friends' Books* from Devonshire House Library, London; 11 volumes from Lucy B. Roberts, and 68 volumes from the Class of 1900 in continuation of the collection of standard English fiction. Besides these special gifts others as stated in the Appendix have been presented.

The steady growth of the Library is rapidly filling the shelves, and the question of additional space must soon be considered.

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The cataloguing and arrangement of the Charles Roberts Collection of Autographs has been continued, and the most interesting and valuable ones are ready for view and consulting. Applications to see the autographs, or to consult them, should be made to Allen C. Thomas, Librarian.

During the Christmas vacation the Modern Language Association of America, of which Dr. Gummere was President and several members of our Faculty are active members, held its annual meeting at the College.

Modern Language Association

During the year the Carnegie Foundation for the Advancement of Teaching has issued its plan for pensioning professors in colleges. From the benefits of this plan denominational and state institutions are at present excluded. The results of this effort will be far-reaching. It has been one of the serious drawbacks to the profession of teaching that it was frequently impossible to make any provision for old age or for the family after death. The result has been that many a man whose real service to the Institution was at an end has been, through the kindly action of the Trustees, continued in his place to the disadvantage of the College, or dismissed to a cheerless and ignominious old age of poverty. The Carnegie Foundation will therefore constitute a strong inducement for professors to connect themselves with the Colleges which can avail themselves of the fund, and will make

The Carnegie Foundation

HAVERFORD COLLEGE.

it necessary for those institutions which do not come under its provisions to provide their own pension scheme of equivalent value, or stand the chance of losing their best professors.

The Carnegie Foundation will do more than this. It will not grant its aid to an institution which does not stand in a certain rank in scholarship and equipment. It will therefore create, under its present efficient management, what we have for a long time needed in America, a standard by which colleges may be judged. A place on its list will be evidence of collegiate standing supplied from no other source. To those who are not familiar with its exclusions, the fact that a certain name does not appear on its list would be evidence of inferiority. Hence the Institution places upon Haverford College the duty to consider whether we are willing to make such changes as will enable us to avail ourselves of the advantages of the fund, and if not, to provide a substitute in money and advertising value which will practically bring us into the same class with the recipients. As we have no one in the Faculty of sufficient age to be benefited by a pension fund, and shall not have for several years to come, it is probable that the accruing interest of a fund of \$50,000 now created by the College would satisfy its needs for a long time. An application to the Institution for an examination of the College and its classification with such

HAVERFORD COLLEGE.

colleges as were eligible apart from their denominational character, would give us the benefit of the standing for efficiency to which we are undoubtedly entitled.

At Haverford, as at many other colleges whose courses have hitherto been mainly devoted to general studies in letters and science, but to which modern requirements in technical science have been added, we find a continual tendency to desert the old courses for the new. This is strikingly true in the endowed universities of the East, where the scientific schools are in numbers rapidly pushing ahead of the academic. Several phases of this tendency are manifest at Haverford. The number of Greek students is diminishing steadily and the same is true to a less extent of the Latin students. We have always had a large majority of our students take the course in Arts, and have exceptional facilities in the way of books and teachers for this course. Notwithstanding this, the modern courses fill up more rapidly than the ancient. The matter is largely out of our hands for the decision is made by the boys themselves in the preparatory schools. The only way to prevent it is to abandon or limit the technical courses, and this would result in such a depletion of our numbers that it would not be advisable.

Prominence of
Technical
Study

One minor cause for the present conditions at Haverford has been the greater ease of

HAVERFORD COLLEGE.

entrance to the Scientific courses. This will be remedied next year by increased requirements. Probably the great majority of the friends of Haverford have a traditional preference for courses which point towards general culture, and our preparations and history are all along this line. It is also evident that many students choose technical courses at an early age unwisely, without a full appreciation of the conditions which are likely to prevail in future life. They deem it to be a play with tools and instruments, rather than an unusually heavy mathematical demand upon their time and energy. Perhaps the abolition of these courses would result in a few of the students who care more about Haverford College than any course in particular transferring their allegiance to the Arts Course; in many other cases it would result in the loss of desirable students whose family associations point towards our College. How to meet the problem of the maintenance of Haverford's reputation for a broad and generous culture is one of the serious questions which confront us to-day.

Athletics

The moral revival which has swept over the political and business interests during the past year has also touched collegiate athletics. The old conditions, especially in the game of football, became unbearable, and a general revolt of the best friends of education was the consequence. In this movement Haverford has had

HAVERFORD COLLEGE.

an honorable part to perform. Our Physical Director has been Chairman of the General Board of Officials of the United States, and Secretary of the Middle Atlantic Sectional Committee. In one or the other of these capacities, the whole legislation has passed through his hands, and his influence has had much to do in shaping it. This has been partly due to his own personality, but partly also I think it may be fairly claimed, to the fact that the athletic conditions at Haverford have been for many years above suspicion, and that a confidence in anything which is sanctioned by the College in this way has been begotten. So far as the rules for playing football are concerned, we will hope they are an improvement; but as regards the ethical points involved, no change is necessary at Haverford, and we have no fair criticisms to meet.

In matters of discipline the students seem to require each year less government—vastly less than a score of years ago. One by one, as conditions have ripened for them, systems of self-government have been adopted. In 1897 the Freshman Class proposed that the matter of cheating in their examinations should be in their own hands. This was permitted as an experiment. Gradually the other classes fell into line until it now seems to be the recognized policy of the College. No proctor has been in examination rooms for several years, and though I have inquired

Self-Govern-
ment

HAVERFORD COLLEGE.

of many students, I have never heard of a case of cheating. Upon completion of the new dining-room, an organization was effected for securing better conditions than had previously prevailed. So far it has been entirely successful. The attendance at places of worship on First Day morning is now a matter of individual honor. This year, while there are two officers resident in Barclay Hall, neither of them has anything to do with the discipline, which is to be left to the care of the students unless the experiment fails. In general, the absence of restrictions on student conduct, outside the class-rooms has led to a development of a feeling of responsibility for the morals and discipline of the College and has resulted in the lessening of friction, the increase of Faculty influence, and more efficient government.

ISAAC SHARPLESS, *President*.

PUBLICATIONS OF THE FACULTY

1905-1906

BABBITT, JAMES A.—*Athletic Number*, Haverford College Bulletin, Vol. IV, No. 4, Sixth month, 1906.

BARRETT, DON C.—*Government Regulation of Railway Rates*. Publications of the American Economic Association, Third Series, Vol. VII, No. 1.

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BROWN, ERNEST W.—*With the British Association in South Africa*. Popular Science Monthly, January, February, 1906.

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COMFORT, WILLIAM W.—*The Character Types in the Old French "Chansons de geste."* Publications of the Modern Language Association of America, Vol. XXI, No. 2. Reprinted separately, pp. 156.

GUMMERE, FRANCIS B.—*English Literature in its Relation to Other Sciences*. Publications of the Congress of Arts and Science, St. Louis Exposition, Vol. III, 1906.

Originality and Conventionality in Literature. Quarterly Review, January, 1906.

Narrative Art in the Ballads. The Reader, January, 1906.

HAVERFORD COLLEGE.

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Review of H. Carlton Smith's *Lecture Notes on Chemistry for Dental Students*. Journal of the American Chemical Society, September, 1906.

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Practical Christianity. Second edition, greatly enlarged, with Introduction. The John C. Winston Co., Philadelphia, 1905.

A Double Search: Studies in Atonement and Prayer. Headley Bros., London, and the John C. Winston Co., Philadelphia, 1906.

A Dynamic Faith. Third edition. Headley Bros., London, 1906.

MUSTARD, WILFRED P.—Report of *Rheinisches Museum für Philologie*, Vol. LX. American Journal of Philology, Vol. XXVI, pp. 353-357; Vol. XXVII, pp. 222-225.

Notes on *Poor Richard's Poetry*. The Nation, March 22nd and April 5th, 1906.

Review of Charles J. Billson's *Translation of the Aeneid of Virgil*. Classical Journal, Vol. II, No. I.

RITTENHOUSE, LEON H.—*Corrosion, Incrustation and Boiler Explosions and History and Details of the Steam Engine*. Cyclopedia of Engineering, the Historical Publishing Co., Philadelphia, 1906.

Occasional practical letters in The Engineer, Chicago.

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SHARPLESS, ISAAC.—*Presbyterian and Quaker in Colonial Pennsylvania.* Journal of the Presbyterian Historical Society.

Pennsylvania Two Hundred Years Ago. Journal of the Presbyterian Historical Society.

THOMAS, ALLEN C.—*A History of Friends in America*, by Allen C. Thomas, A. M., and Richard Henry Thomas, M. D. Fourth edition, thoroughly revised and enlarged by Allen C. Thomas, A. M. The John C. Winston Co., Philadelphia, 1905.



SUMMARY OF THE ACCOUNT OF THE TREASURER OF THE CORPORATION OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1905, to Eighth mo. 31st, 1906.

RECEIPTS.

Income from investments:

General Endowment Fund.....	\$ 4,593 26
Thomas P. Cope Fund.....	277 60
Edward Yarnall Fund.....	263 64
Alumni Library Fund.....	547 74
Isaiah V. Williamson Fund.....	746 58
John Farnum Memorial Fund.....	1,802 06
John M. Whittall Fund.....	464 40
Richard T. Jones Scholarship Fund.....	225 00
David Scull Fund.....	1,975 52
Edward L. Scull Fund.....	540 88
New Library Fund.....	265 60
Wistar Morris Memorial Fund.....	208 26
Mary Farnum Brown Library Fund....	1,551 63
Mary M. Johnson Scholarship Fund....	361 26
Sarah Marshall Scholarship Fund.....	327 31
Israel Franklin Whittall Fund.....	587 07
Jacob P. Jones Endowment Fund.....	24,978 80
Clementine Cope Fellowship Fund.....	1,137 78
John Farnum Brown Fund for Bible Study, &c.....	5,373 64
Ellen Waln Fund.....	450 80
Clementine Cope Endowment Fund....	1,072 55
Thomas Shipley Fund.....	229 50
Nathan Branson Hill Fund.....	9 20
Elliston P. Morris Fund.....	25 28

—————\$ 48,015 36

HAVERFORD COLLEGE.

Amount brought forward.....	\$ 48,015 36
Board and Tuition, cash.....	\$ 44,001 70
“ “ “ scholarships.....	14,225 00
	<hr/> \$ 58,226 70
Board of professors.....	865 89
Rents	3,068 50
Farm	1,297 96
Stationery	732 09
Income credited to Contingent Account.....	184 30
Receipts for Account of Previous Years.....	1,399 69
Donations:—For New Dining Hall.....	\$ 20,863 49
For Boiler Plant, etc.....	12,525 00
For Salaries.....	1,250 00
For foundation of Elliston P. Morris Prize	
Fund for Essays on Arbitration and	
Peace	1,000 00
For Prizes, &c.....	725 04
For Scholarship.....	400 00
	<hr/> \$ 36,763 53
Money borrowed temporarily.....	82,550 00
Proceeds of land sold.....	29,685 60
Investments—General Endowment Fund...\$	1,600 00
“ —Thomas Cope Fund.....	2,300 00
“ —David Scull Fund.....	1,200 00
“ —Mary Farnum Brown Fund.....	4,000 00
“ —Jacob P. Jones Endowment	
Fund	18,937 63
“ —Clementine Cope Fellowship	
Fund	1,000 00
	<hr/> \$ 29,037 63
Balance on hand Eighth Month 31st, 1905.—	
In the hands of the President.....\$	771 28
In the hands of the Treasurer.....	141 85
	<hr/> \$ 913 13
	<hr/> \$292,740 38

HAVERFORD COLLEGE.

PAYMENTS.

Salaries	\$ 43,200	00
Provisions	16,843	55
Wages	10,565	50
Repairs and improvements.....	7,782	80
Fuel and lights.....	4,734	99
Interest	4,918	35
Family expenses and furniture.....	2,612	87
Lawn and garden.....	3,297	36
Taxes	1,163	13
Incidentals	1,894	19
Scientific equipment.....	343	53
Gymnasium and athletics.....	305	97
Printing and advertising.....	670	13
Insurance	206	57
Books, etc., from income Alumni Library Fund	482	85
Books, etc., from income New Library Fund	265	60
Books, etc., from income Mary Farnum Brown Library Fund.....	971	44
Lectures from income Mary Farnum Brown Library Fund.....	400	00
Lectures from income Thomas Shipley Fund	120	00
Cost of New Dining Hall over and above subscriptions actually received there- for	\$ 6,245	45
		<hr/> \$107,024 28
Scholarships and Fellowships:		
Income General Endowment Fund.....	\$ 1,200	00
“ Thomas P. Cope Fund.....	600	00
“ Edward Yarnall Fund.....	500	00
“ Isaiah V. Williamson Fund....	900	00
“ Richard T. Jones Scholarship Fund	225	00
“ Jacob P. Jones Endowment Fund	9,200	00
Amount carried forward.....	\$ 12,625	00 \$107,024 28

HAVERFORD COLLEGE.

Amount carried forward.....	\$ 12,625 00	\$107,024 28
" Mary M. Johnson Scholarship Fund	400 00	
Scholarships and Fellowships—Income		
Sarah Marshall Scholarship Fund.....	300 00	
Income Clementine Cope Fellowship Fund.	1,465 00	
	—————	\$ 14,790 00
Paid out of special donations:		
For new Dining Hall.....	\$ 38,363 59	
For Boiler Plant, etc.....	200 00	
For Electrical Apparatus.....	62 25	
For Prizes, etc.....	452 88	
	—————	\$ 39,078 72
Paid temporarily on account of Loans using Funds awaiting reinvestment.....		\$ 73,750 00
Paid for Municipal Improvements on Lans- downe Avenue, etc.....		\$ 3,866 07
Investments:		
General Endowment Fund.....	\$ 1,940 00	
Thomas P. Cope Fund.....	1,820 00	
John Farnum Memorial Fund.....	970 00	
Mary Farnum Brown Fund.....	1,940 00	
Jacob P. Jones Endowment Fund.....	45,650 50	
Elliston P. Morris Fund.....	811 25	
	—————	\$ 53,131 75
Balance on hand Eighth month 31st, 1906.		
In the hands of the President.....	\$ 837 76	
In the hands of the Treasurer.....	261 80	
	—————	\$ 1,099 56
		—————
		\$292,740 38

FINANCIAL STATEMENT

For the Year Ending 8th Mo. 31st, 1906.

Expense of running the College, as per Treasurer's Statement	\$107,024 28
Receipts for Board and Tuition, Rents, Farm and from all other sources connected with the business of the College.....	49,966 14
<hr/>	
Leaving a deficiency of.....	\$ 57,058 14
Income from Invested Funds applicable to Scholarships and running expenses.....	49,697 69
<hr/>	
Leaving net deficiency for the current year.....	\$ 7,360 45

THOMAS P. COPE FUND.

Founded 1842.

Par value of Invested Funds.....	\$ 4,950 00
Principal uninvested.....	1,021 61
<hr/>	
Total Fund.....	\$ 5,971 61
Income on hand at beginning of year.....	\$ 323 27
Income received during the year.....	277 60
<hr/>	
	\$ 600 87
Paid for the Thomas P. Cope Scholarships.....	600 00
<hr/>	
Balance on hand at end of the year.....	87

GENERAL ENDOWMENT FUND.

Established 1847 and Increased From Time to Time Since.

Par Value of Invested Funds.....	\$100,400 00
Principal uninvested.....	1,291 77
<hr/>	
Total Fund.....	\$101,691 77
Income received during the year.....	4,593 26
Paid for Scholarships.....	\$ 1,200 00
Paid for General College Expenses.....	3,393 26
<hr/>	
	\$ 4,593 26

HAVERFORD COLLEGE.

EDWARD YARNALL FUND.

Founded 1860.

Par value of Invested Funds.....	\$	5,500	00
Principal uninvested.....		637	46
<hr/>			
Total Fund.....	\$	6,137	46
Income on hand at beginning of year.....	\$	275	35
Income received during year.....		263	64
<hr/>			
		538	99
Paid for the Edward Yarnall Scholarships.....		500	00
<hr/>			
Income on hand at end of year.....	\$	38	99

ALUMNI LIBRARY FUND.

Established by the Alumni Association, 1863.

Par value of Invested Funds.....	\$	11,200	00
Principal uninvested.....		267	09
<hr/>			
Total fund.....		11,467	09
Income on hand at beginning of year.....	\$	40	30
Income received during the year.....		547	74
<hr/>			
		588	04
Paid for Books, etc		482	85
<hr/>			
Income on hand at end of year.....	\$	105	19

ISAIAH V. WILLIAMSON FUND.

Founded 1876 and Increased 1883.

Par value of invested Funds.....	\$	20,266	66
Principal uninvested.....		424	04
<hr/>			
Total fund.....	\$	20,690	70
Income received during the year.....		746	58
Less income overdrawn at beginning of year		19	61
<hr/>			
	\$	726	97
Paid for I. V. Williamson Scholarships		900	00
<hr/>			
Income overdrawn at end of year.....	\$	173	03

HAVERFORD COLLEGE.

JOHN FARNUM MEMORIAL FUND.

Established 1878, Increased by Legacy of Elizabeth H. Farnum
in 1899.

Par value of Invested Funds.....	\$ 39,800 00
Principal uninvested.....	330 00
<hr/>	
Total fund.....	\$ 40,130 00
Income received during the year.....	1,802 06
Paid toward support of Chair endowed by this Fund..	1,802 06

JOHN M. WHITALL FUND.

Founded in 1880.

Par value of invested Funds.....	\$ 10,000 00
Principal uninvested.....	33 89
<hr/>	
Total fund.....	\$ 10,033 89
Income received during the year.....	464 40
Appropriated for salaries.....	464 40

EDWARD L. SCULL LEGACY.

Received in 1885.

Par value of Invested Funds.....	\$ 12,100 00
Principal uninvested.....	71 57
<hr/>	
Total fund.....	\$ 12,171 57
Income received during the year.....	540 88
Appropriated for salaries.....	540 88

DAVID SCULL FUND.

Founded 1885.

Par value of Invested Funds.....	\$ 44,500 00
Principal uninvested.....	1,687 73
<hr/>	
Total fund.....	\$ 46,187 73
Income received during the year.....	1,975 52
Paid toward salaries, etc.....	1,975 52

HAVERFORD COLLEGE.

RICHARD T. JONES SCHOLARSHIP FUND.

Founded by Will of Jacob P. Jones, 1885.

Par value of the Fund.....	\$ 5,000 00
Income received during the year.....	225 00
Paid for Richard T. Jones Scholarship.....	225 00

NEW LIBRARY FUND.

Founded 1892.

Par value of Invested Funds.....	\$ 6,500 00
Amount uninvested.....	25 18
<hr/>	
Total fund.....	\$ 6,525 18
Income received during the year.....	265 60
Paid for Books, etc.....	265 60

WISTAR MORRIS MEMORIAL FUND.

Founded 1892.

Par value of Fund, all invested.....	\$ 5,000 00
Income received during the year.....	208 26
Appropriated for salaries.....	208 26

MARY FARNUM BROWN LIBRARY FUND.

Founded 1892.

Par value of Invested Funds.....	\$ 30,500 00
Amount uninvested.....	3,018 57
<hr/>	
Total fund.....	\$ 33,518 57
Overdraft \$103.77 at beginning of year cancelled by gift from founder of Fund.	
Income received during the year.....	\$ 1,551 63
Income appropriated for books, &c.....	\$ 971 44
Income appropriated for lectures.....	400 00
Income transferred to Principal.....	180 19
<hr/>	
	\$ 1,551 63

HAVERFORD COLLEGE.

ISRAEL FRANKLIN WHITALL FUND.

Founded 1896.

Par value of invested Funds.....	\$ 12,000 00
Amount uninvested.....	466 87
<hr/>	
Total fund.....	\$ 12,466 87
Income received during the year.....	587 07
Appropriated for salaries.....	587 07

MARY M. JOHNSON SCHOLARSHIP FUND.

Founded 1897.

Par value of Invested Funds.....	\$ 8,000 00
Amount uninvested.....	395 00
<hr/>	
Total fund.....	\$ 8,395 00
Income on hand at beginning of year.....	\$ 159 46
Income received during the year.....	361 26
<hr/>	
	\$ 520 72
Paid for Mary M. Johnson Scholarships.....	400 00
<hr/>	
Income on hand at end of year.....	\$ 120 72

SARAH MARSHALL SCHOLARSHIP FUND.

Founded 1897.

Par value Invested Funds.....	\$ 7,000 00
Amount uninvested.....	771 19
<hr/>	
Total Fund.....	\$ 7,771 19
Income on hand at beginning of the year..	\$ 87 56
Income received during the year.....	327 31
<hr/>	
	\$ 414 87
Paid for Sarah Marshall Scholarships.....	300 00
<hr/>	
Income on hand at end of the year.....	\$ 114 87

HAVERFORD COLLEGE.

JACOB P. JONES ENDOWMENT FUND.

Founded 1897.

Par value of Invested Funds.....	\$510,750 00
Amount uninvested.....	28,876 51
<hr/>	
Total fund.....	\$539,626 51
Income received during the year.....	24,978 80
Appropriated for scholarships.....	\$ 9,200 00
Appropriated for general expenses.....	15,778 80
<hr/>	
	\$ 24,978 80

CLEMENTINE COPE FELLOWSHIP FUND.

Founded 1899.

Par value of Invested Funds.....	\$ 23,800 00
Amount uninvested.....	1,279 00
<hr/>	
Total fund.....	\$ 25,079 00
Income on hand at beginning of the year..	\$ 970 64
Income received during the year.....	1,137 78
<hr/>	
	\$ 2,108 42
Paid for Fellowships.....	1,465 00
<hr/>	
Income on hand at end of year.....	\$ 643 42

JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND
RELIGIOUS TEACHING.

Founded 1900 and Increased Later.

Par value of Invested Funds.....	\$125,500 00
Amount uninvested.....	743 08
<hr/>	
Total fund.....	\$126,243 08
Income received during the year.....	5,373 64
Income appropriated for salaries, etc.....	\$ 4,900 00
Income transferred to principal account....	473 64
<hr/>	
	\$ 5,373 64

HAVERFORD COLLEGE.

ELLEN WALN FUND.

Founded 1900.

Par value of Invested Funds.....	\$ 11,000 00
Amount overinvested.....	33 80
<hr/>	
Total fund.....	\$ 10,966 20
Income received during the year.....	450 80
Income appropriated for general expenses.....	450 80

CLEMENTINE COPE ENDOWMENT FUND.

Founded 1904.

Par value of Invested Funds.....	\$ 31,000 00
Amount uninvested.....	108 75
<hr/>	
Total fund.....	\$ 31,108 75
Income received during the year.....	1,072 55
Income appropriated for general expenses.....	1,072 55

THOMAS SHIPLEY FUND.

Founded 1904.

Par value of Invested Funds.....	\$ 5,000 00
Amount uninvested.....	225 00
<hr/>	
Total fund.....	\$ 5,225 00
Income on hand at beginning of the year..	\$ 79 50
Income received during the year.....	229 50
<hr/>	
	\$ 309 00
Income appropriated for Lectures.....	120 00
Income on hand at end of the year.....	189 00

NATHAN BRANSON HILL TRUST.

Fund Established in 1904, Held in Trust by Minneapolis Trust Company, Minneapolis, Minn.

Income received during the year.....	\$ 9 20
Income appropriated for expenses.....	9 20

HAVERFORD COLLEGE.

ELLISTON P. MORRIS FUND.

Founded 1906.

Par value of Invested Funds.....	\$ 1,000 00
Amount uninvested.....	188 75
<hr/>	
Total Fund.....	\$ 1,188 75
Income received during the year.....	25 28
Income on hand at end of year.....	25 28

SUMMARY OF THE FUNDS.

General Endowment Fund.....	\$ 101,691 77
Thomas P. Cope Fund.....	5,971 61
Edward Yarnall Fund.....	6,137 46
Alumni Library Fund.....	11,467 09
Isaiah V. Williamson Fund.....	20,690 70
John Farnum Memorial Fund.....	40,130 00
John M. Whitall Fund.....	10,033 89
Richard T. Jones Scholarship Fund.....	5,000 00
David Scull Fund.....	46,187 73
Edward L. Scull Fund.....	12,171 57
New Library Fund.....	6,525 18
Wistar Morris Memorial Fund.....	5,000 00
Mary Farnum Brown Library Fund.....	33,518 57
Mary M. Johnson Scholarship Fund.....	8,395 00
Sarah Marshall Scholarship Fund.....	7,771 19
Israel Franklin Whitall Fund.....	12,466 87
Jacob P. Jones Endowment Fund.....	539,626 51
Clementine Cope Fellowship Fund.....	25,079 00
John Farnum Brown Memorial Fund for Bible Study and Religious Teaching.....	126,243 08
Ellen Waln Fund.....	10,966 20
Clementine Cope Endowment Fund.....	31,108 75
Thomas Shipley Fund.....	5,225 00
Elliston P. Morris Fund.....	1,188 75
<hr/>	

Total par value.....\$1,072,595 92

being \$40,838.54 more than reported one year ago as follows:

HAVERFORD COLLEGE.

Sale of Real Estate for Account Jacob P. Jones	
Endowment Fund, less Municipal charges.....	\$ 25,819 53
Bonds added by gift to John Farnum Brown Fund..	11,500,00
Gain on land sold over book value.....	900 00
Variations from par in price of securities bought and sold.....	592 13
Elliston P. Morris Fund, new.....	1,188 75
Income credited to Principal for Contingent Acct..	184 30
Unused Income credited to Principal, as provided in terms of Trusts.....	653 83
	<hr/>
	\$ 40,838 54

SPECIAL FUND.

This fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

Boiler House, etc.....	\$ 12,325 00
Salaries	400 00
Books and Periodicals.....	74 50
Prizes	180 48
Expenses for 1906-7.....	300 00
	<hr/>
	\$ 13,279 98

We have examined the accounts of the Treasurer of The Corporation of Haverford College for the year ending Eighth Month, 31st, 1906, of which the foregoing is a summary. We have compared his payments with the vouchers thereof, and find the same correct. There was a cash balance in his hands on that date of \$261.80, exclusive of \$837.76 in the hands of the President of the College.

{	Signed	}	SAMUEL L. ALLEN,
			THOMAS F. BRANSON,
			Auditing Committee.

Philadelphia, Tenth Month 3d, 1906.

HAVERFORD COLLEGE.

We have examined the securities belonging to The Corporation of Haverford College, and find them to agree with the foregoing statement of the Treasurer.

{ Signed }	FRANCIS STOKES,
	GEORGE VAUX, JR., Auditing Committee.

Philadelphia, Tenth Month 4th, 1906.



LIST OF GIFTS TO THE LIBRARY

OF

HAVERFORD COLLEGE

1905-1906

	Volumes
Class of 1900.....	68
Stuart Wood.....	48
Devonshire House Library.....	58
Anonymous gifts.....	18
Mrs. Charles Roberts.....	11
Mr. Barrows.....	10
Howard Comfort.....	9
Penna. State Librarian.....	8
George and E. Converse Peirce.....	8
Dr. A. S. Bolles.....	6
Miss Anna Morris.....	7
R. B. Warder.....	5
N. Y. State Librarian.....	4
Joshua L. Bailey.....	3
Friends of the College.....	3
John Weaver, Mayor of Philadelphia.....	3
J. Rendel Harris.....	2
Pres. Isaac Sharpless.....	2
Class of 1905.....	2

Pa. Bar Association, Henry Pleasants, C. C. Morris, N. J. State Library, Michigan State Board of Health, Massachusetts State Board of Arbitration, Trustees Peacock Institute, H. G. Preston, J. P. McCaskey, Carnegie Institution, I. M. Hays, O. M. Chase, Jefferson Physical Laboratory, Dr. G. A. Barton, Dr. H. S. Pratt, Misses L. L. & G. Schuyler, R. C. Robbins, Anderson Fowler, V. M. Porter, Williams College, Biological Laboratory, Macmillan Co., Subscribers to Publication Fund, N. J. State Geologist, Kansas State Historical Society, F. B. Kirkbride, Howard University, Mrs. L. D. Rudy, W. L. Bryan, N. Y. State Historian, Mrs. J. J. Cox, W. S. Blatchley, Elizabeth P. Smith, B. J. Crew, Haverfordian, Miss A. R. Habershon, J. H. Bartlett, W. H. S. Wood, Dr. W. W. Comfort, one volume each.

DONATIONS OF MONEY DURING THE YEAR ENDING 8th MO., 31st, 1906

J. Howe Adams.....	\$ 10 00
George Raymond Allen.....	10 00
Samuel L. Allen.....	560 00
Anonymous	50 00
Edward Bettle, Jr.....	5 00
Edwin J. Bevan.....	6 00
William Parker Bonbright.....	10 00
Dr. Thomas F. Branson.....	100 00
Henry R. Bringhurst.....	15 00
Ellis Y. Brown, Jr.....	15 00
T. Wistar Brown.....	3,403 77
George T. Butler.....	10 00
Benjamin Cadbury.....	20 00
Henry J. Cadbury.....	5 00
John W. Cadbury, Jr.....	20 00
Richard T. Cadbury.....	100 00
William W. Cadbury.....	5 00
John E. Carter.....	100 00
Alfred Chase.....	10 00
Joseph W. Clark.....	5 00
Class of 1895.....	50 00
Class of 1896.....	20 00
Class of 1898.....	10 00
Class of 1905.....	200 00
Alfred M. Collins.....	200 00
Henry H. Collins.....	500 00
Minturn Post Collins.....	15 00
Stephen W. Collins.....	10 00
Edward T. Comfort.....	50 00
Howard Comfort.....	120 00
F. H. Conklin.....	10 00
Francis R. Cope, Jr.....	50 00
Henry Cope.....	25 00
Alexander P. Corbit.....	75 00
J. C. Corbit.....	15 00

HAVERFORD COLLEGE.

J. Keyser DeArmond.....	50 00
J. Allen DeCou.....	15 00
Joseph H. Dennis.....	5 00
H. A. Dominicovick.....	10 00
Henry S. Drinker, Jr.....	16 00
Levi T. Edwards.....	25 00
John T. Emlen.....	66 67
Richard Erskine.....	50 00
Jonathan Evans.....	10 00
Thomas Evans.....	100 00
Christian Febiger.....	60 00
Wager Fisher.....	5 00
Joseph M. Fox.....	25 00
Alfred Cope Garrett.....	20 00
Elizabeth W. Garrett.....	200 00
George Spencer Garrett.....	25 00
John B. Garrett.....	1,290 00
John H. Gifford.....	50 00
Vincent Gilpin.....	30 00
Kane S. Greene.....	33 00
Richard H. Gummere.....	25 00
Joseph H. Haines.....	25 00
T. H. Haines.....	10 00
Wm. H. Haines.....	10 00
Arthur S. Harding.....	25 00
Charles Hartshorne.....	600 00
J. Paul Haughton.....	50 00
William P. Henszey.....	5,000 00
Walter S. Hinchman.....	25 00
Benjamin R. Hoffman.....	20 00
Arthur Hoopes.....	10 00
C. Horn & Co.....	5 00
Charles H. Howson.....	25 00
Furman S. Howson.....	5 00
Abram F. Huston.....	700 00
Dr. Francis Brinton Jacobs.....	10 00
Walter C. Janney.....	30 00
Horace H. Jenks.....	150 00

HAVERFORD COLLEGE.

Alba B. Johnson.....	25 00
Carl Kelsey.....	25 00
Edwin O. Kennard.....	50 00
Franklin B. Kirkbride.....	25 00
A. Wesley Kratz.....	7 00
Arthur N. Leeds.....	50 00
Morris E. Leeds.....	50 00
John A. Lester.....	10 00
Henry L. Levick.....	20 00
William Draper Lewis.....	15 00
William M. Longstreth.....	100 00
Howard Haines Lowry.....	20 00
William C. Lowry.....	50 00
Roswell C. McCrea.....	10 00
Paul D. I. Maier.....	15 00
Alfred Collins Maule.....	100 00
Francis N. Maxfield.....	5 00
Alfred Mellor.....	500 00
Ralph Mellor.....	75 00
Walter Mellor.....	75 00
J. Kennedy Morehouse.....	10 00
C. Christopher Morris.....	20 00
Elliston P. Morris.....	1,000 00
Frederick W. Morris, Jr.....	10 00
Harold Hollingsworth Morris.....	30 00
John T. Morris.....	250 00
Samuel W. Morris.....	50 00
William H. Nicholson, Jr.....	10 00
John E. Parker.....	15 00
Maxfield Parrish.....	10 00
Joseph T. Pearson.....	500 00
George Peirce.....	25 00
Herbert C. Petty.....	75 00
A. J. Phillips.....	25 00
Charles James Rhoads.....	500 00
Dr. Samuel Rhoads.....	25 00
G. Brinton Roberts.....	500 00
Edward C. Rossmassler.....	100 00

HAVERFORD COLLEGE.

Alden Sampson.....	100 00
Henry W. Scarborough.....	15 00
Alfred G. Scattergood.....	50 00
J. Henry Scattergood.....	275 00
Harold M. Schabacker.....	25 00
David Scull.....	500 00
Carlos Noyes Sheldon.....	15 00
W. Percy Simpson.....	110 00
Alfred Percival Smith.....	475 00
Horace E. Smith.....	100 00
Jonathan M. Steere.....	16 66
J. Stoddell Stokes.....	10 00
Francis R. Strawbridge.....	50 00
Frederic H. Strawbridge.....	9,000 00
Justus C. Strawbridge.....	500 00
William J. Strawbridge.....	50 00
Frederick A. Swan.....	20 00
Albert Syze.....	5 00
Charles G. Tatnall.....	10 00
Henry Tatnall.....	500 00
Edward B. Taylor.....	200 00
Charles S. Taylor.....	50 00
Frank W. Thacher.....	25 00
John R. Thomas.....	12 50
I. S. Tilney.....	25 00
Edgar Earl Trout.....	10 00
Howard M. Trueblood.....	25 00
Dr. Joseph P. Tunis.....	10 00
Dr. James Tyson.....	50 00
Samuel M. Vauclain.....	2,000 00
George Vaux, Jr.....	20 00
William S. Vaux, Jr.....	361 27
A. and S. W.....	1,000 00
W. C. Webster.....	10 00
Erwyn Porter West.....	10 00
John M. Whitall.....	200 00
Francis A. White.....	60 00
Parker S. Williams.....	50 00

HAVERFORD COLLEGE.

William M. Wills.....	25 00
Robert N. Wilson.....	5 00
Asa S. Wing.....	20 00
John C. Winston.....	225 00
Thomas Wistar.....	30 00
Charles Wood.....	100 00
George Wood.....	250 00
James Wood.....	100 00
L. Hollingsworth Wood.....	25 00
Richard Wood.....	5 00
Stuart Wood.....	500 00
Walter Wood.....	495 00
Edward Woolman.....	15 00
Gifford K. Wright.....	16 66
Arthur R. Yearsley.....	10 00
<hr/>	
Total	\$ 36,763 53



TENTH ANNUAL
EVERETT MEDAL ORATORICAL
CONTEST, 1906,

Extemporaneous Speaking

FIFTH MONTH 1ST

"STANDARDS OF GREATNESS".....	Cecil Kent Drinker, '08
"THE SIEGE OF LEYDEN".....	Sidney Loewenstein, '09
"PATRIOTS OF PEACE".....	Joseph Passmore Elkinton, '08
"THE NEWSPAPERS AND REFORM".....	Burdette L. Dodge, Jr., '09
"THE POPULAR ELECTION OF SENATORS".....	James Carey Thomas, '08
"A BOOK OF INFLUENCE".....	David Leon Philips, '09
"AN ESTIMATE OF SWINBURNE".....	John Theodore Troth, '08
"AN INTERPRETATION OF SUCCESS".....	Clarence Creadick Killen, '09

ANNUAL ALUMNI PRIZE CONTEST
IN ORATORY, 1906

FIFTH MONTH 22ND

"A ROMAN STOIC".....	Harold Evans, '07
"THE TORCH BEARERS".....	Elliott Bartram Richards, '06
"MODERN DESPOTISM".....	Walter Carson, '06
"STEPHEN A. DOUGLASS—PATRIOT".....	Warren Koons Miller, '06
"THE GOLDEN RULE".....	Donald Cornog Baldwin, '06
"THE STRENGTH OF THE HILLS".....	Ira Jacob Dodge, '07

EXERCISES OF COMMENCEMENT DAY

SIXTH MONTH 15TH, 1906.

ORDER OF EXERCISES.

- 11 A. M.—I Commencement Exercises in Roberts Hall.
- 1 Introductory remarks by President Sharpless.
 - 2 Announcement of Prizes and Honors.
 - 3 Conferring of Degrees.
 - 4 Address to the Graduates by James Tyson, M.D. (Haverford College, Class of 1860) Professor of Medicine in the University of Pennsylvania.
- 12.15 P. M.—II. Presentation of Cricket Prizes in front of Founders' Hall.
- 12.30 P. M.—III. Luncheon on the Lawn.
- 2.00 P. M.—IV. Alumni Cricket Game on Cope Field.
- 2.30 P. M.—V. Cricket and Baseball Games on Walton Field.
- 5.30 P. M.—VI. Alumni Business Meeting in Roberts Hall.
- 7.00 P. M.—VII. Alumni Supper (for Alumni and Invited Guests) on the Lawn.
- 8.15 P. M.—VIII. Alumni Oration in Roberts Hall.
Delivered by Francis R. Cope, Jr. (Haverford College, Class of 1900).

SCHEDULE OF RECITATIONS FOR THE COLLEGIATE YEAR 1905-1906

	8.30	9.30	10.30	11.30	1.30	2.00	3.00
SECOND DAY		Bib. Lit. II Bib. Lit. III Bib. Lit. II Bib. Lit. IV Bib. Lit. II Bib. Lit. IV English II	Bib. Lit. V French V Physics VI (Eng. VII) Chem. IV History IV Greek III Math. V Eng. III (Biol. VI) Bib. Lit. IV	German IV Astronomy I Math. VI Econ. II German I Bib. Lit. I French II Greek I		Chemistry Govern. I Phil. II & III Engin. IV Latin III Biol. VIII Biol. Va, Vb Math. VII Engin. III Greek II French III Latin II	
THIRD DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek IV Econ. V, VI Geology I French I Chem. I Math. Ila & I Ib	Greek A History III Spanish I German V German II		Physics II Physics VII English V English XII Biol. Lab. Va, Vb Biology X Engin. III Soph. Chem. Lab. French II Greek I	
FOURTH DAY	Eng. VIII Latin III Engin. Ia & Ib Math. Ila & I Ib Math. Ia, Ib	Phil. IV Latin IV Math. IV Math. IIIa & IIIb Greek II French III Eng. Ia, Ib	Bib. Lit. V French V Physics VI (Eng. VII) Chem. IV History IV Greek III Math. V Eng. III (Biol. VI)	German IV Astronomy I Math. VI Econ. II German I French II Greek I		Phil. II & III Chemistry Engin. IV German III Biol. gy VIII Engin. III Math. VII Soph. Biol. Lab. Physics I History I Latin I	
FIFTH DAY	Eng. V, II Latin III Engin. Ia & Ib Math. Ila & I Ib Math. Ia, Ib	Phil. IV Latin IV Math. IV Math. IIIa & IIIb Greek II French III Eng. Ia, Ib	Meeting			Engin. IV Greek A Greek III Chemistry Math. VI English X Engin. III History III German I Spanish I English VII Biology VII German V German II Latin I	
SIXTH DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek IV Econ. V, VI Geology I French I Chem. I Math. Ila & I Ib	Greek A History III Spanish I German V German II		Physics II Physics VII English VIa English XII Biol. Lab. Va, Vb Biology X Engin. III Soph. Chem. Lab. French II Greek I	
SEVENTH DAY	Econ. III & IV Greek IV French I Soph. Phys. Lab. German II	Latin IV Math. IV Math. IIIa & IIIb Soph. Biol. Lab. History I	Courses enclosed in parentheses () were not offered in 1905-1906 Eng. = English Engin. = Engineering				

STATED MEETING OF THE CORPORATION AND OF THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock P. M.

The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth, and Eleventh months.

LEGACIES.

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF LEGACY.

I give and bequeath (if personal)—devise (if real)—to "The Corporation of Harverford College," the sum of (or if real estate, describe it) to have and to hold to them, their successors and assigns, to the use of the said "The Corporation of Haverford College," their successors and assigns.



HAVERFORD COLLEGE BULLETIN

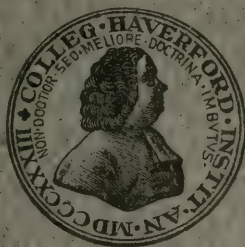
VOL. V

FIRST MONTH, 1907

No. 2

Catalogue

1906-1907



Issued Quarterly by Haverford College,
Haverford, Pa.

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as Second Class Matter under Act of Congress of July 16th, 1894

CATALOGUE

OF

Haverford College

1906-1907



HAVERFORD, PA.

Press of
The John C. Winston Co.
Philadelphia

CALENDAR.

1906-1907.

Examinations for Admission	9th Mo.	24-25-26
College Year 1906-1907 began	9th Mo.	26
Winter Recess began.....	12th Mo.	22
Winter Term began,* 1907.....	1st Mo.	7
Second Half-year begins	2d Mo.	11
Spring Recess begins	4th Mo.	13
Spring Term begins*	4th Mo.	22
Senior Class Day	6th Mo.	13
Commencement and Alumni Day, 1907.....	6th Mo.	14
Examinations for Admission	6th Mo.	17-18-19

1907-1908.

Examinations for Admission.....	9th Mo.	23-24-25
College Year 1907-1908 begins*.....	9th Mo.	25
Winter Recess begins	12th Mo.	21
Winter Term begins, 1908*.....	1st Mo.	6
Second Half-year begins.....	2d Mo.	9
Spring Recess begins	4th Mo.	18
Spring Term begins*	4th Mo.	27
Senior Class Day	6th Mo.	11
Commencement and Alumni Day, 1908.....	6th Mo.	12
Examination for Admission.....	6th Mo.	15-16-17

*The first classes at the beginning of each term are held promptly at *half-past nine o'clock*. No absences from them are excused, unless clearly unavoidable.

HAVERFORD COLLEGE

HISTORY AND DESCRIPTION.

In the spring of 1830, a meeting of a few Friends in Philadelphia, shortly followed by a similar meeting in New York, originated Haverford School. The two committees expressed the object of the effort as follows: "The members of the Society of Friends, having hitherto labored under great disadvantages in obtaining for their children a guarded education in the higher branches of learning, combining the requisite literary instruction with a religious care over the morals and manners of the scholars, . . . and carefully preserving them from the influence of corrupt principles and evil communications, it is therefore proposed that an institution be established in which the children of Friends shall receive a liberal education in ancient and modern literature, and the mathematical and other sciences."

The sum supposed to be necessary, forty thousand dollars, was raised without great effort, and the committee went out to seek a location. "We wished to procure," they say, "a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . and one that was recommended by the beauty of the scenery and a retired situation." They then report that, of the many places inspected by them, the only one

which combined all the advantages was one of one hundred and ninety-eight acres (since increased to two hundred and twenty-five) "near the eight-mile stone of the Lancaster turnpike." They explain the present and prospective merits of the farm, the beauty of the natural woods, the unfailing springs of purest water, the nearness to the new Pennsylvania railroad, in words which the succeeding decades have amply justified.

In the autumn of 1833 the school opened with twenty-one students, under the charge of a superintendent, who looked after the government, order and domestic economy of the family, a teacher of Ancient Languages and Ancient Literature, a teacher of English Literature and Mental and Moral Philosophy, and a teacher of Mathematics and Natural Philosophy.

The regulations of the new school were rigid. The bounds and hours of the boys were very strictly prescribed. All the details of the daily program were arranged with great care, and, if the elaborate provision of a number of wise men for the normal growth of students could convert boys into perfect men, the students of those early days had every advantage.

The school thus established grew rapidly into prosperity and debt. The charges were low, the teachers were liberally paid, and the years which followed were marked by a constant endeavor to produce a maximum of good results from very limited funds. The financial deficiencies were made up in a liberal spirit and a constant growth was maintained by frequent subscriptions. All this time the school was justifying the effort by the quality of its results and was making for itself an increasing number of friends.

One of the first acts of the committee, after provision for absolute necessities, was to construct a gymnasium and make arrangements for systematic physical work. They were determined that the advantage gained by the salubrity of the surroundings should not be lost by want of exercise. Under their care the lawn was graded at considerable expense, and foreign and native trees set out with the design to make it a great arboretum. Cricket, a game not then known elsewhere in America, was introduced and has continued to flourish. A greenhouse and a flowergarden were established and maintained for twenty years by the work of the boys. The idea that has done harm elsewhere, that schools are places for mental development only, had no foothold here; but morals, muscles, and senses received their due share of culture.

In 1845 a temporary suspension was declared to allow the funds to accumulate and to give time for the collection of an endowment. This suspension lasted three years.

In 1852 the Observatory was built and supplied with an 8¼-inch equatorial and a 4-inch transit. In 1856 the school was changed to a college, and was authorized by the Legislature to grant degrees; but previous to this time the course had been as extended as in most colleges. It was still hampered with a preparatory department, which was not abolished until 1861. In 1863, Alumni Hall, containing an auditorium and ample accommodation for the library, was built. In 1877, Barclay Hall, with its private dormitories and study-rooms, was erected by friends of the College at a cost of eighty-two thousand dollars. The Chemical Laboratories were improved

in 1878. The new Observatory was built in 1883. The Mechanical Laboratory was established in 1884 and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story structure, was built. The Biological Laboratory was established in 1886 and the Physical Laboratory in 1888. Since then the following buildings have been added to the college equipment: Chase Hall, for lectures and recitations, in 1888; the Cricket Shed in 1893; the enlargement of the nave and the south wing of Alumni Hall in 1898; Lloyd Hall in 1899; the large and well-equipped Gymnasium, presented by the Alumni at a cost of fifty thousand dollars, in 1900; Roberts Hall, the gift of Lucy Branson Roberts, for public lectures and college offices, in 1903; in 1905, a Dining Hall with offices and kitchen, erected by subscription of graduates and friends of the College; and, in 1906, a permanent building for the heating and lighting plant. The whole of Alumni Hall is now available for the housing of the library, which contains forty-eight thousand volumes. Various donations and bequests were received during these years, and in 1897 the Jacob P. Jones endowment, worth about a million dollars, came into the possession of the College.

During this time Haverford had developed into a fully-organized college. Many rules, adapted to boys of boarding-school age, had been modified or abandoned, though enough restraint was retained to provide against demoralization. The standard of admission was raised. Students of any denomination were admitted. The number of teachers was increased sixfold. The annual charge was increased from two hundred dollars to five

hundred dollars,* which still fails to represent what the College has to pay for professors' salaries and the board and care of students.

In Barclay and Lloyd Halls two students occupy a study-room, and each has his private bed-room adjoining. A few single rooms are also available in these Halls and in Founders Hall. Some of the professors live in the halls with the students, and others have houses on the grounds.

The College has a remarkably pleasant and healthful location in the township of Haverford, Delaware County,† Pa., nine miles west of the center of Philadelphia, on the main line of the Pennsylvania Railroad. The buildings are surrounded by grounds of about sixty acres, tastefully laid out, with a great variety of trees and shrubbery. These grounds provide excellent fields for cricket, football, golf, tennis and other field games, a running track, and a pond for skating.

Retaining the old idea of a "guarded education" and "religious care over morals and manners" the College has sought to attain these ideals, and has measurably succeeded by appeals to Christian principle and manliness rather than by the exercise of arbitrary power.

*According to the situation of the room the price may vary from \$375 to \$575.

†Haverford Post-Office is in Montgomery County.

CORPORATION.

President.

T. WISTAR BROWN.....235 Chestnut St., Philadelphia

Secretary.

J. STOGDELL STOKES....1011 Diamond St., Philadelphia

Treasurer.

ASA S. WING.....409 Chestnut St., Philadelphia

BOARD OF MANAGERS.

Term Expires 1907.

DAVID SCULL.....113 S. Fourth St., Philadelphia

RICHARD WOOD.....400 Chestnut St., Philadelphia

JOHN B. GARRETT.....Rosemont, Pa.

HOWARD COMFORT.....529 Arch St., Philadelphia

FRANCIS STOKES.....Locust Ave., Germantown, Phila.

GEORGE VAUX, JR....404 Girard Building, Philadelphia

STEPHEN W. COLLINS....69 Wall St., New York, N. Y.

FREDERIC H. STRAWBRIDGE.....801 Market St., Phila.

Term Expires 1908.

CHARLES HARTSHORNE.....Merion, Pa.

BENJAMIN H. SHOEMAKER...205 N. Fourth St., Phila.

WALTER WOOD.....400 Chestnut St., Phila.

WILLIAM H. HAINES.....1136 Ridge Ave., Phila.

WILLIAM H. JENKS. 124 Chestnut Ave., Ches. Hill, Phila.
 FRANCIS A. WHITE. 1221 N. Calvert St., Baltimore, Md.
 JONATHAN EVANS. Haines & Chew Sts., Gtn., Phila.
 JOHN M. WHITALL. 512 Church Lane, Germant'n, Phila.

Term Expires 1909.

EDWARD BETTLE, JR. 514 Walnut St., Phila.
 JAMES WOOD. Mt. Kisco, N. Y.
 JUSTUS C. STRAWBRIDGE. School Lane, Germant'n, Phila.
 ABRAM F. HUSTON. Coatesville, Pa.
 SAMUEL L. ALLEN. 1107 Market St., Phila.
 THOMAS F. BRANSON. Rosemont, Pa.
 SETH K. GIFFORD. Moses Brown School, Providence, R. I.
 CHARLES J. RHOADS. Girard Trust Co., Phila.

T. WISTAR BROWN,

President,

235 Chestnut St., Phila.

HOWARD COMFORT,

Secretary,

529 Arch St., Phila.

FACULTY.

ISAAC SHARPLESS, SC. D., LL. D., L. H. D.,
President, and Professor of Ethics.

ALLEN CLAPP THOMAS, A. M.,
Librarian, and Professor of History.

LYMAN BEECHER HALL, PH. D.,
John Farnum Professor of Chemistry.

FRANCIS BARTON GUMMERE, PH. D.,
Professor of English and German.

ERNEST WILLIAM BROWN, SC. D., F. R. S.,
Professor of Mathematics.

WILFRED PIRT MUSTARD, PH. D.,
Professor of Latin.

HENRY SHERRING PRATT, PH. D.,
David Scull Professor of Biology.

JAMES ADDISON BABBITT, A. M., M. D.,
Physical Director, and Associate Professor of Physiology.

RUFUS MATTHEW JONES, A. M., LITT. D.,
Professor of Philosophy.

OSCAR MARSHALL CHASE, S. M.,
Secretary of the College and Instructor in Drawing.

ALBERT SIDNEY BOLLES, PH. D., LL. D.,
Lecturer on Commercial Law and Banking.

DON CARLOS BARRETT, PH. D.,
Dean, and Associate Professor of Economics.

ALBERT ELMER HANCOCK, PH. D.,
Associate Professor of English and German.

LEGH WILBER REID, PH. D.,
Associate Professor of Mathematics.

WILLIAM WISTAR COMFORT, PH. D.,
Associate Professor of Romance Languages.

WILLIAM WILSON BAKER, PH. D.,
Associate Professor of Greek.

FREDERIC PALMER, JR., A. M.,*
Instructor in Physics and Astronomy.

ALFRED COPE GARRETT, PH. D.,
Lecturer on Biblical Literature.

LEON HAWLEY RITTENHOUSE, M. E.,
Instructor in Mechanics and Electricity.

ALPHEUS WILSON SMITH, PH. D.,
Instructor in Physics.

WILLIAM HENRY COLLINS, A. M.,
Superintendent of Buildings and Grounds.

RICHARD LUCIUS CARY, A. B.,
Assistant in the Chemical Laboratory.

*Absent 1906-7.

STUDENTS.

The letters in the last column denote the courses taken. The letter A denotes the Arts course, S the course in General Science, and E the course in Engineering.

TEACHING FELLOWS.

Brown, Thomas Kite, Jr., A. B. (Haverford College),
Westtown, Pa.
Scott, Roderick, A. B. (Haverford College), Yonkers,
N. Y.

GRADUATE STUDENTS.

Baldwin, Donald Cornog, A. B. (Haverford College),
Philadelphia, Pa.
Cary, Richard Lucius, A. B. (Haverford College),
Baltimore, Md.
Seely, Leslie Birchard, A. B. (Haverford College), Phil-
adelphia, Pa.

SENIOR CLASS.

Birdsall, Joseph Cooper	South Starksboro, Vt.	A
Brown, Arthur Emlen	Germantown, Pa.	S
Brown, Paul Willits	East Downingtown, Pa.	A
Comfort, George Brinton	West Chester, Pa.	E
Craig, George Craig	Rosemont, Pa.	E
Croll, Walter Lewis	Bryn Mawr, Pa.	A
Dodge, Ira Jacob	Akron, Ohio	S

Eldridge, William Stauffer	Philadelphia, Pa.	A
Evans, Harold	Germantown, Pa.	A
Godley, Francis Downing	Haverford, Pa.	S
Gummere, Samuel James	Haverford, Pa.	S
Haines, Wilbur Hamilton	Philadelphia, Pa.	S
Hoover, Charles Ruglas	Oskaloosa, Iowa	S
Jones, Ernest Fuller	South China, Me.	A
Lee, Charles Frederick	Friendsville, Tenn.	A
Lindsay, Raleigh Cabell	Madison, N. C.	A
Magill, James Phineas	Philadelphia, Pa.	E
March, Joseph Cornell Beans	Parker Ford, Pa.	A
March, Michael Henry	Pottstown, Pa.	S
Mitchell, Howard, Jr.	Harveyville, Kans.	A
Morton, Alfred Balch	Baltimore, Md.	A
Nicholson, John Whitall, Jr.	Moorestown, N. J.	A
Padin, José	San Juan, Porto Rico	S
Ricks, Richard Arnold, Jr.	Richmond, Va.	S
Rossmassler, William Ryle	Germantown, Pa.	S
Shoemaker, Howard Hey	Philadelphia, Pa.	A
Tatnall, Edward Comfort	Haverford, Pa.	S
Tatnall, Emmett Robinson	Bryn Mawr, Pa.	A
Terrell, Charles Clayton	New Vienna, Ohio	S
Warner, Alexander Nes	Titusville, Pa.	E
Windle, William Butler	West Chester, Pa.	A
Wood, George Hallock	Minnewaska, N. Y.	E

JUNIOR CLASS.

Baily, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A
Burt, Howard	Frankford, Pa.	A

Bushnell, Joseph, 3rd	Germantown, Pa.	E
Clement, John Browning, Jr.	Overbrook, Pa.	A
Drinker, Cecil Aikin	South Bethlehem, Pa.	S
Edwards, Edward Aikin	Philadelphia, Pa.	E
Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Hill, Thomas Rothwell	Philadelphia, Pa.	E
Linton, Morris Albert	Moorestown, N. J.	E
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Morriss, William Haviland	Baltimore, Md.	A
Musser, Frederic Omar	Ardmore, Pa.	A
Sargent, Winthrop, Jr.	Haverford, Pa.	A
Scott, Carl Forse	Yonkers, N. Y.	A
Shoemaker, Walter Rodman	Philadelphia, Pa.	A
Strode, George King	West Chester, Pa.	S
Thomas, James Carey	Haverford, Pa.	A
Whitson, Walter Wilkin	Far Rockaway, N. Y.	A
Wing, Stephen Remington	Philadelphia, Pa.	E
Wright, Edwin	Columbus, N. J.	S

SOPHOMORE CLASS.

Bard, George Smith	Mt. Airy, Pa.	E
Brey, Robert Newton	Philadelphia, Pa.	E
Cope, Joseph	West Chester, Pa.	E
Crowell, James White	Avondale, Pa.	S
Deacon, Gerald Hartley	Germantown, Pa.	A
Fay, Percival Bradshaw	Washington, D. C.	A
Febiger, William Sellers	Philadelphia, Pa.	E
Green, John Clinton	Mount Royal, N. J.	A
Hamilton, Frederick Clifford	Stamford, Conn.	E

HAVERFORD COLLEGE

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Hill, Allan Janney	Minneapolis, Minn.	E
Hires, Harrison Streets	Merion, Pa.	A
Killen, Clarence Creadick	Wilmington, Del.	A
Kitchen, Paul Cliff	Philadelphia, Pa.	A
Lewis, Thomas Krapfel	Merchantville, N. J.	S
Lowry, Alfred, 2nd	Philadelphia, Pa.	A
Lutz, Howard Milton	Llanerch, Pa.	A
Marsh, Charles Edward	Coalgate, Ind. T.	S
Miller, Paul Van Reed	Philadelphia, Pa.	A
Moore, Lawrence Clayton	Ercildoun, Pa.	A
Mott, Richard Henry	Whittier, Iowa	S
Myers, Frederick A., Jr.	Philadelphia, Pa.	S
Pennypacker, Jos. Whitaker	Haddonfield, N. J.	A
Philips, David Leon	Kennett Square, Pa.	A
Ristine, Charles Scott	Bryn Mawr, Pa.	E
Sharpless, Thomas Kite	West Chester, Pa.	A
Shoemaker, Edwin	Philadelphia, Pa.	S
Spaeth, Reynold Albrecht	Mt. Airy, Pa.	S
Spiers, Mark Herbert Carver	Wayne, Pa.	S
Stetson, Joseph Van Dusen	Philadelphia, Pa.	A
Stokes, Joseph Warrington	Moorestown, N. J.	A
Taylor, Frederic Raymond	Philadelphia, Pa.	S
Thompson, Charles Baker	Baltimore, Md.	A
Underhill, R. Lindley Murray	Ossining, N. Y.	A
Warnock, Aaron Degrauw	Jamaica, N. Y.	E
Williams, Lloyd Garrison	Esmond, N. Dak.	A


FRESHMAN CLASS.

Allinson, Edward Page	Bryn Mawr, Pa.	A
Ayer, Nathaniel Davis	Boston, Mass.	S

Bryant, Henry Earlham C.	Lansdowne, Pa.	E
Cadbury, Earl Shinn	Haverford, Pa.	A
Calley, Donald MacMakin	Upland, Pa.	S
Cary, Donald Bush	Baltimore, Md.	E
Clark, Charles Fygis	Philadelphia, Pa.	A
Coates, Sydney Hornor	Berwyn, Pa.	E
David, Edward Wandell	Germantown, Pa.	A
Develin, Joseph Chubb	Philadelphia, Pa.	A
Edwards, Earl Nelson	Philadelphia, Pa.	E
Froelicher, Charles Mitchell	Baltimore, Md.	A
Frost, Meigs Oliver	New Britain, Conn.	A
Furness, Harold Alan	Haddonfield, N. J.	E
Gheen, Evan Pennock	West Chester, Pa.	A
Greene, William Chase	Baltimore, Md.	A
Haines, Carroll Austin	Philadelphia, Pa.	S
Hutton, Arthur Webster	Berwyn, Pa.	S
Judkins, William	Cincinnati, Ohio	E
Kenderdine, John Donald	Germantown, Pa.	A
Kerbaugh, George Allen	Bryn Mawr, Pa.	A
Law, Fern	Ardmore, Pa.	E
Lewis, Henry Carvill	Germantown, Pa.	E
Martin, Stuart Thompson	Germantown, Pa.	E
Mason, Samuel, Jr.	Germantown, Pa.	E
Mayers, Clayton Wadleigh	Dresden, Me.	E
Morley, Christopher Darlington	Baltimore, Md.	A
Morris, Reginald Hollingsworth	Villa Nova, Pa.	S
Palmer, Walter	Media, Pa.	E
Phillips, Alfred Ingersoll, Jr.	Philadelphia, Pa.	E
Phillips, John Phillips	St. Davids, Pa.	E

HAVERFORD COLLEGE

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 Rabinowitz, Samuel Abraham	Philadelphia, Pa.	A
Roberts, Alfred Stokes	Moorestown, N. J.	S
Shoemaker, Comly Bird, 2nd	Philadelphia, Pa.	E
Spaulding, Eugene Ristine	Mt. Airy, Pa.	S
Strassburger, Perry Beaver	Norristown, Pa.	A
Wheeler, Guy Samuel	Germantown, Pa.	S
Whitall, James	Germantown, Pa.	A
Wilson, John French	Flushing, Ohio	A
Zieber, Eugene Ray	Philadelphia, Pa.	S

SPECIAL STUDENTS.

Baker, Philip John	London, England
Clark, Thomas Noah	Haverford, Pa.
Eshleman, Rodney Mercur	Lancaster, Pa.
Frutchey, Charles Arthur	Philadelphia, Pa.
Guenther, Jacob Jarden	Philadelphia, Pa.
Kurtz, William Wesley, 2nd	Germantown, Pa.
Langsdorf, Jacob Morris	Philadelphia, Pa.
Leonard, Arthur Cheney	Wayne, Pa.
Loewenstein, Sidney	Philadelphia, Pa.
Miller, Charles Lichty	Lancaster, Pa.
Powell, William Chambers, Jr.	
	Bryn Mawr, Pa.
Ramsey, Frank McCracken	Sterling, Kans.
Sholem, Grover	Paris, Ill.
Shultz, Walter Dexter	Lancaster, Pa.
Stribling, William Clarkson	Markham, Va.

SUMMARY.

Graduates	5
Seniors	32
Juniors	22
Sophomores	35
Freshmen	40
Special Students.....	15

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REQUIREMENTS FOR ADMISSION.

Candidates for the Freshman Class are admitted on examination. No certificates are accepted.

Examinations are held twice a year, in the Sixth and the Ninth month, at the College, except in cases of distant candidates for whom special arrangements may be made.

In 1907 the dates will be as follows:—

Sixth month 17th, and Ninth month 23rd.

9.00-10.00	Latin Composition.
10.00-11.30	Latin Prose Authors.
11.30-12.45	{ Latin Poets.
	{ English History.
1.30- 3.30	Algebra.
3.30- 4.30	{ Greek Composition.
	{ Physics.

Sixth month 18th, and Ninth month 24th.

9.00-11.15	French.
9.00-10.30	Xenophon.
10.30-11.45	Homer and Sight Translation.
11.45-12.45	{ Greek History.
	{ U. S. History.
1.30- 3.00	English.
3.00- 5.00	German.

Sixth month 19th, and Ninth month 25th.

9.00-11.00 Plane Geometry.

11.00-12.00 Roman History.

A candidate may pass a preliminary examination in some of his studies and be examined in the remaining studies in a subsequent year. A certificate will be given for the studies passed. No student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared. The examinations of the College Entrance Examination Board of the Middle States and Maryland will be accepted in place of corresponding Haverford examinations.

Candidates for Corporation scholarships (see page 75) must take all their examinations not later than the Sixth month of the year of entry.

SUBJECTS FOR EXAMINATION.

ENGLISH.*

A. Reading.—Certain books are selected for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter. The form of examination will usually be the writing of a paragraph or two on each of the several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics

*NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

should show the candidate's power of clear and accurate expression and will call for only a general knowledge of the substance of the books.

The books selected for the examinations to be held for entrance in 1907-1908 will be Shakspere's *Merchant of Venice* and *Macbeth*; Addison's *The Sir Roger de Coverley Papers* in the Spectator; Irving's *Life of Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Launcelot and Elaine* and *The Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

For entrance in 1909, 1910, 1911 the candidate will choose ten books, under the restrictions indicated, from the following groups:

Group I (two to be selected).

Shakspere's *As You Like It*, *Henry V*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

Group II (one to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress*, Part I; *The Sir Roger de Coverley Papers* in the Spectator; Franklin's *Autobiography*.

Group III (one to be selected).

Chaucer's *Prologue*; Spenser's *Faerie Queene*, (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury (First Series) Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*;

Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens' *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group V (two to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (Selected); Ruskin's *Sesame and Lilies*.

Group VI (two to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series) Book IV*, with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Launcelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

B. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, style and construction.

The books selected for the examinations to be held for

entrance in 1907-1908 will be: Shakspeare's *Julius Cæsar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's speech on *Conciliation with America*; Macaulay's essays on *Addison* and *Johnson*.

The books set for this part of the examination will be, for entrance in 1909, 1910, 1911: Shakspeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's Speech on *Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

The English examination may be taken in two parts.

MATHEMATICS.

Algebra A.—The four fundamental operations, factoring, highest common factor, least common multiple, the solution of equations of the first degree in one or more unknown quantities, problems leading to such equations, powers and roots, radicals including extraction of square roots of polynomials and numbers, and fractional and negative exponents.

Algebra B.—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, permutations and combinations, and the binomial theorem for a positive integral exponent.

Algebra B cannot be taken as preliminary examination.

Plane Geometry.—The demonstration of theorems and constructions as found in the usual text-books. Simple original theorems, constructions and numerical exercises.

Students should have at their command a knowledge of the principal theorems, so that they may be able to apply them.

SCIENCE.—Elementary Physics.

HISTORY.

- (a) Grecian History to the death of Alexander.
- (b) Roman History to the death of Marcus Aurelius.
- (c) English History.
- (d) United States History, including the periods of discovery and colonization.

GREEK.—(a) Xenophon, *Anabasis*, Books I-IV; Homer, *Iliad*, Books I-III, omitting the Catalogue of Ships. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Attic prose. (c) The translation into Greek of a simple English passage based upon some portion of the Xenophon prescribed.

LATIN.—(a) Cæsar, the *Gallic War*, Books I-IV; Cicero, the speech on the *Manilian Law*, the four against *Catiline* and the speech for *Archias*; Virgil, the *Aeneid*, Books I-VI. Other books of Cæsar or speeches of Cicero may be substituted for those mentioned, if due notice is given. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Latin

prose or verse. (c) The translation into Latin of a simple English passage, based upon some portion of the Cicero or Cæsar prescribed.

GERMAN.—(a) The translation at sight of ordinary German prose. The passage set for translation must be rendered into correct idiomatic English. (b) The translation into German of simple English sentences or of easy connected prose, to test the candidate's familiarity with the grammar. (c) Special emphasis will be laid upon proficiency in grammar.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in German (see page 38) will be adequate for preparation.

FRENCH.—(a) The translation at sight of ordinary French prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into French of simple English sentences or of easy connected prose. (c) Special emphasis will be laid upon proficiency in grammar, including the conjugation of the more common irregular verbs.

The passages set for translation into English will be suited to the proficiency of candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in French (see page 40) will be adequate for preparation.

SUBJECTS FOR ADMISSION.

I. *For the Course in Arts:*—

English, Algebra, Plane Geometry, Latin, two Histories,* and one of the following:

- (a) Greek;
- (b) German and French;
- (c) German and Physics;
- (d) French and Physics.

II. *For the Courses in Science:*—

English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), and one of the following:

- (a) Any two Histories;
- (b) Any one History with Physics.

Students not able to pass all of the examinations may be admitted with a few conditions. Each case will be decided on its merits.

Students not candidates for degrees may be permitted to pursue special courses, for proficiency in which certificates may be granted; but this permission will be given only to students of ability and character sufficient to insure their success.

Candidates may be admitted to advanced classes if found proficient in all the preliminary studies of the course. Each case will be considered on its merits.

Every candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must present certificates of honorable dismissal.

*Candidates presenting the Greek language must offer Grecian History, and candidates presenting Latin, Roman History.

COURSES OF INSTRUCTION.

I. COURSE IN ARTS *leading to the degree of Bachelor of Arts.*—All courses given in any department are open as electives during the last two years on compliance with the necessary preliminaries.

COURSE LEADING TO THE DEGREE OF
BACHELOR OF ARTS.

In laboratory and gymnasium work two and one-half hours must be taken for each hour given below.

FRESHMEN.

	Hours per Week.
. Greek I, or German I, or French I.....	4
Latin I	4
English Ia, Ib, II	3
Mathematics, Ia, Ib, Ib'.....	4
History I	2
Biblical Literature III.....	1
Biology I and Physical Training	2

SOPHOMORES.

Greek II, or German II, or French II.....	3
Latin II	3
English III	2

*Mathematics II <i>a</i> , II <i>b</i> , or Chemistry I.....	4
*Physics I, or Biology II	4
Biblical Literature II, or III.....	1
Physical Training.....	1½

JUNIORS.

Greek, or Latin, or Mathematics	3
English IV, or V.....	1
Economics I	2
Philosophy I.....	2
Biblical Literature II, III, or V.....	1
Electives	7

SENIORS.

English IV, or V	1
Philosophy Va and Vb	2
Biblical Literature II, or IV.....	1
Electives	12

II. COURSE IN SCIENCE *leading to the degree of Bachelor of Science*.—This course is divided into four sections:

(a) *Course in General Science*.—The elective list is practically the same as in the course in Arts.

(b) *Course in Mechanical Engineering*.—This course consists largely of mathematics, applied science and work in the shop and drawing-room.

*In place of either of these groups students who take both Greek and Latin may elect four hours of advanced Greek or Latin, or German A, or French A.

(c) *Course in Electricity*.—Electricity is substituted for the special mechanical work of Course (b) during the last two years.

(d) *Chemical and Preparatory Medical Course*.—This course has the double purpose of training specialists in chemistry and of preparing students to enter medical schools. The latter object can be obtained by proper electives in the courses in Arts and General Science.

COURSES LEADING TO THE DEGREE OF
BACHELOR OF SCIENCE.

	GENERAL SCIENCE.	ENGINEERING.
FRESHMEN.	Biblical Lit. III.....*1 English Ia, Ib, II..... 3 History I..... 2 Mathematics Ia, Ib, Ib'..... 4 German I..... 4 French I..... 4 Biology I and Physical Train- ing 2	Biblical Lit. III.....*1 English Ia, Ib, II..... 3 History I..... 2 Mathematics Ia, Ib, Ib'..... 4 German I or French I..... 4 Engineering III..... 2 Engineering IV..... 2 Biology I and Physical Train- ing 2
SOPHOMORES.	Biblical Lit. III..... 1 English III..... 2 Mathematics IIa, IIb or Chemistry I..... 4 Physics I or Biology II..... 4 German II..... 3 French II..... 3 Physical Train.....1½	Biblical Lit. III..... 1 English III..... 2 Mathematics IIa, IIb..... 4 Physics I..... 4 German II or French II..... 3 Engineering III..... 2 Engineering IV..... 2 Physical Train.....1½
JUNIORS.	Biblical Lit. III or V..... 1 Economics I..... 2 Philosophy I..... 2 English IV or V..... 1 Natural or Physical Science or Mathematics 6 Electives 4	Biblical Lit. III or V..... 1 English IV or V..... 1 Mathematics IIIa, IIIb..... 3 Engineering I or II..... 2 Engineering III and V..... 2 Engineering IV or Physics VI..... 2 Chemistry I..... 4 Electives 2
SENIORS.	Biblical Lit. IV..... 1 English IV or V..... 1 Philosophy Va, Vb..... 2 Electives .....12	Biblical Lit. IV..... 1 English IV or V..... 1 Philosophy Va, Vb..... 2 Mathematics IV..... 3 Engineering I or II, or Adv. Electricity..... 2 Engineering III or IV, or Physics or Chemistry..... 2 Physics VI or VII..... 2 Electives 3

*Figures in these columns indicate hours per week. In laboratory, gymnasium and shopwork, two and one-half hours must be taken for each hour here indicated.

GREEK.

Greek I and II are required, respectively, of Freshmen and Sophomores who present Greek for admission. The other courses are elective.

A. *Course for Beginners.* Thorough study of the elements of the language, followed by the reading of simple Attic prose. Xenophon, *Anabasis*; selections from other authors. This course is given in alternate years.

Professor Baker; 3 hours.

[Not given in 1906-7.]

I. Lysias, *Select Orations*; Lucian, *Selections*; Homer, *Odyssey*. Sight reading. Greek composition.

Professor Baker; 3 hours.

II. Plato, *Euthyphro*, *Apology*, *Crito* and selections from *Phaedo*; selections from Aristophanes, *Clouds*; Aeschylus, *Prometheus*; Euripides, *Alcestis*. Sight reading. History of Greek Literature.

Professor Baker; 3 hours.

III. Thucydides, Books VI and VII; Sophocles, *Oedipus Tyrannus*; Euripides, *Medea*; Aristophanes, *Frogs*. Study of other plays in English translation.

Professor Baker; 3 hours.

[Not given in 1906-7.]

IV. Plato, *Republic*; Demosthenes, *On the Crown*, with selections from Aeschines, *Against Ctesiphon*.

Professor Baker; 3 hours.

V. Advanced Greek Prose Composition.

Professor Baker; 1 hour.

VI. *The Greek Drama*. This course is designed primarily for men who have not studied Greek, but wish to get some idea of the literature. It will include (1) lectures on the Greek drama: its history, its characteristic features, and its subsequent influence; (2) collateral reading on the subjects treated in the lectures; (3) reading in translation of selected plays of Aeschylus, Sophocles, Euripides, and Aristophanes.

Professor Baker; 2 hours.

[Not given in 1906-7.]

LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores who present Latin for admission. The other courses are elective.

I. Selections from Livy; Horace, *Epistles*; Virgil, *Bucolics* and *Fourth Georgic*. Translation at sight. Prose composition.

Professor Mustard; 4 hours.

II. Virgil, *Georgics*, Books I-II; Catullus; Horace, *Odes* and *Epodes*. Translation at sight.

Professor Mustard; 3 hours.

III. The principal Satires of Juvenal and Horace; Tacitus, *Annals*, Books I-VI. Translation at sight.

Professor Mustard; 3 hours.

IV. Terence, *Adelphoe*; Plautus, *Menaechmi*; selections from Lucretius; Quintilian, *Institutio Oratoria*, Book X. Translation at sight.

Professor Mustard; 3 hours.

[Not given in 1906-7.]

V. Advanced Latin Composition.

Prof. Mustard; 1 hour.

ENGLISH LANGUAGE AND LITERATURE.

English Ia, Ib and II are required of all Freshmen; English III of all Sophomores, and English IV of all Seniors and Juniors except those electing English V. The other courses are elective for Seniors and Juniors. No student will be graduated who cannot write a creditable style extemporaneously.

Ia. *Freshman English*. The elements of rhetoric and studies in style. Genung, *Handbook of Rhetorical Analysis*. Extemporaneous speeches.

Professor Hancock; 2 hours, first half-year.

Ib. *American Literature*. A brief historical and critical survey of American letters. Wendell, *Literary His-*

tory of America. Extemporaneous speeches. Weekly themes.

Professor Hancock; 2 hours, second half-year.

II. *Freshman English Literature.* Lectures on the foundations of English literature, and on its development down to the time of Shakspeare. Readings and reports.

Professor Gummere; 1 hour.

III. *Sophomore English.* Lectures on rhetoric and the appreciation of literature. Readings from selected authors. Weekly themes. Extemporaneous speeches.

Professor Hancock; 2 hours.

IV. *Senior and Junior English.* Essays, extemporaneous themes and general readings in literature, history and biography. The regulations of this course will be found, in detail, in the printed pamphlet.

Professor Hancock; 1 hour.

V. *Advanced Themes.* Lectures on the principles of literary art and method. Regular practice in the various forms of composition.

Professor Hancock; 1 hour.

VIa. *Forensics.* Advanced work in extemporaneous speaking. Occasional addresses and debates. Readings in the British and American orators.

Professor Hancock; 1 hour.

Vlb. *Public Speaking*. Addresses on social and political topics. Arguments and pleas for civic reforms. This course is open only to those who have taken VIa and the class is limited to twelve members.

Professor Hancock; 1 hour.

VII. *Early English*. Bright, *Anglo-Saxon Reader*. *Elene*. *Béowulf*.

Professor Gummere; 2 hours.

VIII. *Middle English*. English Literature in the thirteenth and fourteenth centuries. Chaucer, *Canterbury Tales*. English and Scottish Ballads. Lectures and readings.

Professor Gummere; 2 hours.

[Not given in 1906-7.]

IX. *Elizabethan Literature*. Lectures on the development of English literature, particularly of the drama, down to Shakspeare. Readings of old plays and Elizabethan masterpieces. All the plays of Shakspeare, three read critically in class.

Professor Gummere; 2 hours.

X. *English Literature of the Seventeenth Century*. Lectures, with readings in the general literature, and a special study of Milton. Selections from the Minor Poems, the *Comus* and certain books of *Paradise Lost*, with the whole of *Samson Agonistes*, are read in class.

Professor Gummere; 1 hour.

[Not given in 1906-7.]

XI. *Modern English Prose Writers.* Lectures on the lives and works of Steele, Addison, Defoe, Swift, Johnson, Goldsmith, Burke, Fielding, Sterne, De Quincey, Lamb, Landor, Hazlitt, Carlyle, Arnold, Ruskin, Dickens, Thackeray, George Eliot and others. Collateral readings and reports.

Professor Hancock; 2 hours.

XII. *English Poetry of the Nineteenth Century.* Lectures on the lives and works of Burns, Coleridge, Wordsworth, Shelley, Byron, Keats, Arnold, Tennyson and Browning. Collateral readings and reports.

Professor Hancock; 2 hours.

[Not given in 1906-7.]

GERMAN.

German I is required of all Freshmen and German II of all Sophomores who present German for admission.

A. *Course for Beginners.* German grammar and reading exercises. Thomas, *German Grammar*; Guerber, *Märchen und Erzählungen*; Heyse, *L'Arrabbiata*; Storm, *Immensee*; Hauff, *Die Karawane* and *Das kalte Herz*.

T. K. Brown; 3 hours.

I. *Freshman German.* A course in the rapid reading of representative German writers. Baumbach, *Im Zwielicht*; Lessing, *Minna von Barnhelm*; Schiller, *Wilhelm Tell*; Goethe, *Hermann und Dorothea* and *Götz von Berlichingen*; Heine, *Buch der Lieder*; Bürger, *Lenore*.

Practice in sight reading. In addition the members of the class will read privately Dahn, *Ein Kampf um Rom*; Sudermann, *Frau Sorge*; von Scheffel, *Trompeter von Säkkingen*; Fouqué, *Undine*.

Professor Hancock; 4 hours.

II. *Sophomore German*. Goethe, *Faust* and *Iphigenie*; Schiller, *Wallenstein*. Selections from classic authors. Readings.

Professor Gummere; 3 hours.

III. *German Prose Composition*. Von Jagemann, *German Syntax*. Rapid Review of German Grammar with particular regard to idiomatic usage. Weekly conversations and discussions of literary masterpieces, in German. Private reading of German authors. Translation into German of easy English prose.

[Not given in 1906-7.]

IV. *Scientific German*. Rapid reading in class of difficult prose in science, history and philosophy, together with private reading of some treatise on a special subject chosen by the student and approved by the instructor.

Professor Gummere; 2 hours.

V. *Middle High German*. Paul, *Mittelhochdeutsche Grammatik*; *Das Nibelungenlied*; poems of Walther von der Vogelweide.

Professor Gummere; 2 hours.

[Not given in 1906-7.]

FRENCH.

French I is required of all Freshmen and French II of all Sophomores who present French for admission.

Students wishing to qualify for French I may do so by passing either the final examination in French A or the entrance examination in Sixth month or Ninth month.

A. Course for Beginners. A course to give the student an elementary knowledge of grammar and a fair reading knowledge of the language. The following books are used: Fraser and Squair, *French Grammar*; Bruno, *Tour de la France*; Halévy, *L'Abbé Constantin*; Bedollière, *La Mère Michel et son Chat*; Labiche, *Le Voyage de Monsieur Perrichon*.

Professor Comfort; 3 hours.

I. Freshman French. Grammar work continued and rapid reading. The following books are used: Fraser and Squair, *French Grammar*; Lamartine, *Graziella*; Loti, *Pêcheur d'Islande*; Daudet, *Contes*; Mérimée, *Chronique du Règne de Charles IX*; Hugo, *Hernani*; Super, *Histoire de France*; Corneille, *Le Cid*; Molière, *L'Avare*; La Fontaine, *Fables*.

Professor Comfort; 4 hours.

II. Sophomore French. Rapid reading of French classics of the seventeenth and nineteenth centuries. The following authors are read: Corneille, Racine, Molière, Bossuet, Hugo, Lamartine, Musset, Daudet, Coppée, Maupassant, Renan. In connection with the

above the class makes use of Petit de Julleville, *Leçons de Littérature Française* and Fortier, *Sept Grands Auteurs du Dix-neuvième Siècle*.

Professor Comfort; 3 hours.

III. A lecture course treating the history of French literature from its origins to the present time. Attention is especially directed to the study of literary tendencies, the development of the national spirit, and the relations of the literature of France to that of other countries. A large amount of outside reading, with written reports, is called for. This course is conducted in French, and is open only to students who have passed creditably in French II.

Professor Comfort; 2 hours.

IV. A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

Professor Comfort; 2 hours.

[Not given in 1906-7.]

SPANISH.

I. An elementary course intended for those who wish the essentials of the Spanish language, either for a business career or for literary work. The following books are used: Hills and Ford, *A Spanish Grammar*; Padre Isla, *Gil Blas de Santillana*; Alarcón, *Capitán Veneno*; Moratín, *El Sí de las Niñas*; Calderón, *La Vida es Sueño*.

Professor Comfort; 3 hours.

[Not given in 1906-7.]

ITALIAN.

I. An elementary course in reading Italian. Grandgent, *Italian Grammar*; Bowen, *Italian Readings*, are used. The following authors are read: Goldoni, Boccaccio, Dante.

Professor Comfort; 3 hours.

MATHEMATICS.

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshman and Sophomore work and do not intend to proceed further in mathematics, (2) elect them as a minor subject and take either physics, engineering or astronomy as a major subject, (3) take them as part of the required work of the Engineering course, or (4) elect them as a major subject.

Courses I, II, III, IV are given every year and XIV in alternate years. The electives to be offered in any one year will be such as the needs of the department may require. Courses on certain subjects other than those named below may be arranged by consultation either for undergraduates or graduates.

In the Library will be found some of the principal journals, treatises and collected works. There are also libraries nearby where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses Ia and Ib and Ib' are required of all Freshmen. Courses IIa and IIb are Sophomore courses..

Ia. *Algebra*; including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, *College Algebra*.

Professor Reid; 4 hours, first half-year.

Ib. *Solid Geometry and Mensuration*. Thompson, *Elementary Solid Geometry*. Ib'. *Trigonometry*. The elements of plane trigonometry, including the solution of right and oblique plane triangles with application to practical problems. Lyman and Goddard, *Plane Trigonometry*.

Professor Reid; 4 hours, second half-year.

IIa. *Plane Analytic Geometry*, including that of the curves of the second degree. Tanner and Allen, *Analytic Geometry*.

Professor Brown; 4 hours, first half-year.

IIb. *Differential Calculus*. McMahon and Snyder, *Differential Calculus*.

Professor Brown; 4 hours, second half-year.

IIIa. *Integral Calculus*. Murray, *Integral Calculus*.

Professor Reid; 3 hours, first half-year.

IIIb. *Differential Equations*, elements. *Analytic Geometry of Three Dimensions*, the plane, straight line and quadric surface.

Professor Reid; 3 hours, second half-year.

Courses IIIa, IIIb are required of Engineering students in their Junior year and should, in general, be taken by students electing mathematics in the Junior year.

IV. *Introduction to Analytical Mechanics*; including the earlier parts of dynamics and statics, the motion of a particle under any forces and the principal theorems in attractions and potential. This course is required of Engineering students in their Senior year.

Professor Brown; 3 hours.

V. *Introduction to Modern Analytical Geometry*.

Professor Reid; 2 hours, half-year.

VI. *Introduction to the Theory of Functions*. Prerequisite, IIIa.

Professor Brown; 3 hours.

VII. *Differential Equations*. The subject will be treated on lines similar to those of Forsyth's text-book. Prerequisite, IIIa.

Professor Brown; 2 hours, half-year.

VIII. *Theory of Equations*; including an introduction to the Galois theory. *Cajori, Theory of Equations*.

Professor Reid; 2 hours, half-year.

IX. *Advanced Algebra*. The following topics will in general be discussed: rational functions, determinants, symmetric functions, invariants, groups. *Weber, Algebra*.

Professor Reid; 3 hours, half-year.

[Not given in 1906-7.]

X. *Analytic Geometry of Three Dimensions.* Theory of surfaces and curves in space. C. Smith, *Solid Geometry*.

Professor Reid; 2 hours, half-year.

[Not given in 1906-7.]

XI. *Fourier Series and Spherical Harmonics*; including some of the simpler applications to physical problems.

Professor Brown; 3 hours, half-year.

XII. *Elements of the Theory of Algebraic Numbers.*

Professor Reid; 3 hours.

[Not given in 1906-7.]

XIII. *Theoretical Dynamics.* Prerequisites, IIIa, IIIb and IV.

Professor Brown; 3 hours, half-year.

[Not given in 1906-7.]

XIV. *Descriptive Geometry.* This course is required of Engineering students and is given in alternate years.

Professor Reid; 2 hours, first half-year.

XV. *Advanced Mechanics.* This course is a continuation of course IV, and it includes the methods by which the general principles of Mechanics are applied to the solution of various physical problems. Thomson and Tait, *Natural Philosophy*, is used as a text-book.

Professor Brown; 2 hours, half-year.

HISTORY.

History I is required of all Freshmen. The other courses are elective for Seniors and Juniors.

I. *History and Politics.* This course affords a general survey of the political and constitutional development in the United States and the chief states of modern Europe. Emphasis is laid upon the elementary principles of government and upon the actual working of the governments of the United States and England. The work is conducted by means of text-books, informal lectures and collateral reading.

President Sharpless and Professor Barrett; 2 hours.

II. *American History.* Colonial history to 1783.

Professor Thomas; 3 hours.

[Not given in 1906-7.]

III. *American History.* Constitutional and political history of the United States from 1783 to 1870.

Professor Thomas; 3 hours.

Courses II and III are usually given in alternate years.

They are intended to show historical development, the relation of cause and effect, and to awaken in the students a consciousness of historic proportion and a sound critical sense. The instruction consists chiefly of lectures, with required private reading, consultation of authorities, frequent reports in the lecture room on special reading, and occasional essays on assigned topics. The College Library is well supplied with reference-books and historical literature.

IV. *Medieval History*. This course includes a survey of the civilization of Europe at the beginning of the Middle Ages and deals with the decline of the Roman Empire; the Gothic invasion; the rise and fall of Arabian civilization; the rise and decline of Charlemagne's empire; Feudalism; the Crusades; the conflicts between the Empire and the Papacy; the Reformation

Dr. Bolles; 2 hours.

POLITICAL SCIENCE.

Economics I is required of all Juniors in the Arts and General Science courses. The other courses in Political Science are elective for Seniors and Juniors.

A. ECONOMICS.

I. *Outlines of Economics*. A general introduction to the subject. The greater part of the year is taken up with a study of the principles of the science, based upon Seager, *Introduction to Economics*, and similar books. The latter part of the course is devoted to applications of economic principles.

Professor Barrett; 2 hours.

II. *Economic History of the United States*. A general survey since 1750. A study is made of the important factors in our social, industrial and commercial life leading up to our present economic status. Among the subjects considered are: colonial conditions

before and after the Revolution; important measures in our financial history; the tariff policy and the growth of industries; the development of transportation facilities with special reference to the history and problems of rail-ways and shipping; the problem of the trusts. This course may be taken with Economics I.

Professor Barrett; 2 hours.

III. *Economic Problems.* The labor problem and socialism. A study is made of the factory system, labor organizations, labor legislation, strikes, courts of arbitration, etc. The history of socialism and the aims and methods of socialistic organizations are investigated.

Professor Barrett; 3 hours, first half-year.

IV. *Money.* The ways and means of making payments and the effects produced upon prices, trade and industry. A study is made of the principles of money; bank-credit and its uses in the form of deposits and different systems of bank-note issues; paper money and the problems connected with the suspension of specie payment in the United States from 1861 to 1879; commercial crises; stock-exchanges. Conditions in the United States receive special attention. This course may be taken profitably with Economics VI.

Professor Barrett; 3 hours, second half-year.

V. *Commercial Law.* An exposition of the leading principles of the law relating to contracts; who can make them; what assent is needful; what consideration is required; how interpreted and enforced. Also the law

relating to particular subjects: sales, carriage of goods and passengers, agency, partnership, negotiable paper, checks, guaranty, surety, payments, interest, shipping, insurance, deeds and loans, and corporations.

Dr. Bolles; 2 hours, first half-year.

VI. *Banking*. The practice and most important legal principles of banking; the methods of raising the capital; modes of organizing national and state banks, saving banks, trust and finance companies; the resources of a bank and the modes of lending them; the duties of its directors, president, cashier, tellers, bookkeepers and other officials; public and private examinations and audits. This course may be taken profitably with Economics IV.

Dr. Bolles; 2 hours, second half-year.

B. GOVERNMENT.

I. *Expenditure and Revenue*. A description of the mode of expending and collecting the revenues of the national and state governments. The functions of government are briefly set forth and expenditures are classified. The mode of making expenditures by the different departments of the national government is then discussed, followed by a description of the bills appropriating money. The different kinds of taxes are next considered, the principles on which the laws are based, and the modes of administering them. The expenditures and revenues of the state are treated in the same manner.

Dr. Bolles; 1 hour.

[Not given in 1906-7.]

II. *Blackstone*. As required by many of the law schools for admission or afterward as an outside reading course. Given in alternate years. Class work comprises bi-weekly quizzes and explanations of the more difficult and important parts of the work.

Dr. Bolles; 2 hours.

BIBLICAL LITERATURE.

II. *Greek Testament*. Interpretation of the Pauline Epistles. This course is continued through three years.

Professor Baker; 1 hour.

III. *Biblical Literature in English*. This course extends through three years. It is required of all Freshmen, and consists during the Freshman year of a survey of the history and literature of the Bible from the beginnings of Hebrew history down to the close of the Apostolic age.

In the Sophomore and Junior years courses are alternately given on *The Teaching of Jesus* and on *The Kingdom of God*.

Professor Jones; 1 hour.

IV. *Biblical Literature in English*. This course is similar to III, and is a continuation of its work. It is a survey of the life and letters of Paul, brought as far as possible into chronological connection, with some attention to his special teachings.

Dr. Garrett; 1 hour.

V. *The Literary Study of the English Bible.* The Book of Job, with selections from the *Psalms* and other books, are read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere; 2 hours.

PHILOSOPHY.

I. *Psychology.* A course in general psychology. James, *Psychology* (briefer course), is used as a textbook, supplemented by lectures. A short series of lectures is also given on logic.

Professor Jones; 2 hours.

II. *Interpretation of the New Testament.* This course is devoted to a search for the original message of Christianity as expressed by the writers of the Gospels and Epistles. It consists of lectures, readings and theses. The work is all done in English.

Professor Jones; 2 hours, first half-year.

III. *Development of Christian Thought.* An examination of the great types of religious thought which have prevailed at different epochs in the history of the Church, such as the Alexandrian conception of Christianity, the Latin, the Calvinistic, and the Quaker conception. Lectures, readings and theses.

Professor Jones; 2 hours, second half-year.

IV. *History of Philosophy.* The chief systems of philosophy from the earliest period down to modern times.

The development of theories of idealism receives especial attention. The text-books required are Rogers, *History of Philosophy*, and Royce, *Spirit of Modern Philosophy*, with other reading. Lectures, discussions and theses.

Professor Jones; 2 hours.

Va. Ethics. The important ethical theories are studied historically with a view of discovering a satisfactory criterion or basis of moral action. Each student is expected to make an exposition of some one representative system. The books from which selection is to be made are Muirhead, *Elements of Ethics*; Spencer, *Data of Ethics*; Mackenzie, *Manual of Ethics*; Green, *Prolegomena to Ethics*. Lectures and theses.

Professor Jones; 2 hours, first half-year.

Vb. Ethics. In this course are considered current problems of practical ethics.

President Sharpless; 2 hours, second half-year.

VI. Religious and Philosophical Movements. This course is for advanced students only, and is conducted on the seminar method. Different epochs are studied from year to year. During 1906-7 Watson, *Selections from Kant*, and Hegel, *Logic*, are being read.

Professor Jones; 2 hours, in the evening.

ASTRONOMY.

The Haverford Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring, from actual observation, a practical acquaintance with astronomy.

It contains two equatorial telescopes, one by Clark, having an object-glass 10 inches in diameter, and one with an object-glass of $8\frac{1}{4}$ inches, with filar micrometer and eye pieces; a polarizing eye-piece; a Newtonian reflector with a silver-on-glass speculum of $8\frac{1}{4}$ inches diameter; a prism spectroscope; a meridian transit circle having a telescope of $3\frac{3}{4}$ inches aperture with a circle at each end of the axis 26 inches in diameter; a zenith instrument of $1\frac{3}{4}$ inches aperture, with a micrometer; two sidereal clocks, one with mercurial compensation, the other used to connect with a Bond's magnetic chronograph.

The latitude of the observatory is $40^{\circ} 0' 40.1''$ north, its longitude, 7 minutes 3.08 seconds east from Washington.

I. *General Descriptive Astronomy*. This course is intended to make the student familiar with the fundamental facts upon which modern astronomy is based. The observatory instruments are explained and used. Some idea is given of the scope and methods of practical astronomy. The text-book is David P. Todd, *New Astronomy*.

F. Palmer, Jr.; 2 hours.

[Not given in 1906-7.]

II. *Practical Astronomy*.

F. Palmer, Jr.; 2 hours.

[Not given in 1906-7.]

BIOLOGY.

The biological laboratory is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains about two hundred biological works and zoölogical, anatomical and botanical charts.

The courses of the department are arranged so that students intending to study medicine may have every facility for preparation. Graduates who have completed the Preparatory Medical course are admitted without examination to all medical schools, and, in some of them, to the second year of their course.

Course I is required of all Freshmen through the first quarter. Course II, or Physics I, is required of all Sophomores in the Arts and Science courses.

I. Elementary Physiology and Hygiene. This course is preparatory to the general physical training required by the College, and includes general physiology, hygiene, a brief review of human anatomy and lectures on first aid to the injured.

Professor Babbitt; 2 hours, first quarter.

II. Elementary Biology. The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants, and also to some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study and discussion of typical representatives of some of the greater groups of animals

and plants. Many field excursions are taken in order to study animals and plants in their natural environment.

Professor Pratt; 4 hours.

Courses III to VII, inclusive, are elective, but must, with the exception of Course VII, be preceded by Course II.

III. *Comparative Anatomy of Vertebrates*. One lecture and two laboratory periods a week. The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. This course is given in alternate years with Courses Va and Vb.

Professor Pratt; 3 hours.

IV. *Morphology of Invertebrates*. This course is intended for those who may wish to make a more extended study of invertebrates than was possible in Course II.

Professor Pratt; 1 hour or more, by arrangement.

Va. *Histology of Vertebrates*. One lecture and two laboratory periods a week. The laboratory work of this course includes a microscopical study of vertebrate tissues. The student also learns the methods of microscopical technique, the preparation of the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted tissues.

Professor Pratt; 3 hours, first half-year.

[Not given in 1906-7.]

Vb. Embryology of Vertebrates. One lecture and two laboratory periods a week. The laboratory work of this course is devoted to the study of the embryology of the chick and of the frog.

Professor Pratt ; 3 hours, second half-year.
[Not given in 1906-7.]

Courses *Va.* and *Vb.* are given in alternate years with Courses III.

VI. General Botany. One lecture and one laboratory period a week. The laboratory work of this course consists of the dissection and structural study of typical representatives of the principal groups of plants.

Professor Pratt ; 2 hours.
[Not given in 1906-7.]

VII. Evolution and Heredity. Lectures and supplementary readings. The development of the evolutionary idea is traced from the time of the Greeks to the present time and the systems of Lamarck and Darwin and their followers are described and discussed. The growth of our knowledge of the facts of heredity is studied and the theories of Darwin, Weismann, Mendel and others are discussed.

Prof. Pratt ; 1 hour.

Courses VI and VII are given in alternate years.

VIII. Human Anatomy. A general course in anatomy intended especially for preparatory medical students and prospective teachers of physical training. The depart-

ment is equipped with a skeleton, a manikin, enlarged models of the eye, ear, throat, and heart, and numerous charts to aid in practical work. A complete set of individual bones, including a disarticulated skull, affords opportunity for the study of osteology. The outline includes a study of the brain and spinal cord, and, as far as time permits, a study of the eye, the ear, and the throat. The course is supplemented by attendance upon medical clinics and by occasional visits to the anatomical museums of the city.

Professor Babbitt; 2 hours.

IX. *Applied Anatomy and Physiology*. A course offering special work in preparation for the teaching of physical training. It may be combined with Courses VIII and X.

Professor Babbitt; 2 hours.

X. *Advanced Physiology*. While primarily intended to fill the requirements of the Preparatory Medical course, this course is made general and is open to all Juniors and Seniors. It consists of one hour of recitation and, when elected, one laboratory period a week. Suitable apparatus is provided for practical and experimental work upon muscle and nerve preparations; examination and tests of blood and secretions; production of artificial digestion; functional study of the heart, general circulation, special senses, etc. This course may be modified to suit the needs of the course in normal physical training.

Professor Babbitt; 1 hour.

CHEMISTRY.

The large chemical laboratory affords opportunity for elementary or advanced special work, with ample facilities for its prosecution. The professor and his assistant are in constant attendance. The laboratory work comprises elementary experiments in general chemistry; the preparation of a number of pure compounds; qualitative or quantitative analysis and experimental work illustrating chemical laws and theories. Chemistry I or Mathematics II is required of all Sophomores in the Arts, of all Freshmen in the Chemical and Preparatory Medical courses and of all Juniors in the Mechanical and Electrical courses.

I. *Elementary General Chemistry.* In this course students will probably have two lectures or recitations and two laboratory periods a week. The preparation, properties and uses of the more important elements and inorganic compounds are discussed in the lectures and are illustrated by experiments. In the laboratory the time is given mainly to the preparation and study of the non-metallic elements and a few of their compounds.

Professor Hall; 4 hours.

II. *Qualitative Analysis.* The exercises are mainly practical, but there is, each week, at least one lecture or examination. Although the instruction is devoted chiefly to the methods of qualitative analysis, it is expected that the student will increase materially his knowledge of general chemistry by following this course.

Professor Hall; 2 hours or more, by arrangement.

III. *Quantitative Analysis*. The simpler gravimetric and volumetric methods of analysis are studied. The calibration of flasks and burettes is also included.

Professor Hall; 2 hours or more, by arrangement.

IV. *Organic Chemistry*. This course consists of lectures, recitations and laboratory work throughout the year. It will be found useful not only to those intending to become chemists, but also to students of biology and medicine.

Professor Hall; 2 hours.

V. *Advanced Quantitative Analysis*. This course is a continuation of Course III, but includes the analysis of silicates and other complex compounds, the examination of water, milk, butter, iron, steel, etc.

Professor Hall; 2 hours or more, by arrangement.

PHYSICS.

The Department of Physics occupies six rooms in the west end of Founders Hall, well arranged both for laboratory work and for lectures. The apparatus for lecture demonstrations has been carefully chosen to illustrate the principal phenomena dealt with, and the laboratory is furnished with a large number of excellent standard forms of apparatus. The department is also well equipped with the usual forms of elementary apparatus. The electrical apparatus includes several dynamos and motors, Weston and other ammeters and voltmeters, a Leeds and Northrup potentiometer, a good variety of

Thomson and D'Arsonval galvanometers, a fine Wheatstone bridge made by Elliott Brothers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light, and electric currents are obtained either from a storage battery or from a dynamo.

I. *Elementary Physics.* This course is an elective with Biology in the Sophomore year. It regularly consists of three lectures or recitations and one laboratory period a week, but, at the discretion of the instructor, one of the lecture periods may be used for laboratory work. The subjects considered are mechanics, sound, heat, light, electricity and magnetism. Carhart, *University Physics*, is used in the class work. Ames and Bliss, *Experiments in Physics*, is the laboratory manual. The lectures are accompanied by numerous experimental demonstrations. The chief aim of the laboratory work is the teaching of accurate measurement and observation in all the subjects treated.

Dr. Smith; 4 hours.

II. *Electricity and Light.* This course is intended to follow Course I. In general, there is one lecture and one laboratory period a week. The modern developments of electricity are briefly considered, including Roentgen rays, wireless telegraphy, and the theory of ionization as set forth in J. J. Thompson, *The Conduction of Electricity through Gases*. The laboratory work includes

a few fundamental experiments in the measurements of currents, resistances, divided circuits, etc., and the phenomena of diffraction, polarization and measurement of the wave-length of light. This work may be somewhat altered to suit the needs of those electing the course.

Dr. Smith; 2 hours or more, by arrangement.

VI. *Electricity*. Elementary instruction by text-book and lectures, in electrical quantities and units; the principles of electrical measuring instruments, dynamos, motors and transformers. The course includes experiments with dynamos and motors, such as making characteristic curves, the measurement of efficiency, etc. The practical phases of electricity are considered.

L. H. Rittenhouse; 2 hours.

VII. *Electricity*. This course is intended to follow Course VI. It begins with laboratory experiments by the student, involving the use of refined measuring instruments and the absolute measurement of electrical quantities. It embraces also, in more detail than Course VI, the study of the design, construction and operation of dynamos, direct and alternating; the theory of the transformer; the transmission of electrical energy; the modern applications of the electric current. The practical phases of electrical engineering, such as the wiring of buildings, the installation of electrical machinery, etc., are taken up as far as time permits.

L. H. Rittenhouse; 2 hours or more.

GEOLOGY.

I. *Elementary Geology.* A discussion of the general principles of the science, Le Conte's *Geology* being used as a text-book. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

Professor Pratt; 2 hours.

[Not given in 1906-7.]

ENGINEERING.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The entire equipment is new and of the best quality. The wood-working room affords accommodation for fourteen students. The benches are provided with quick-action vises and a complete set of carpenter's tools for each student. This shop contains a 36" band saw and four wood lathes. The iron-working room contains a 24" x 12' Blaisdel engine-lathe and three smaller engine-lathes; a 24" x 24" x 6' planer; a Becker-Brainard universal milling machine; a Gould and Eberhardt 16" shaper; two drill presses; several vises, and complete sets of machinist's tools for bench work. Steam engine indicators and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for engine and dynamo testing. The third story of the building is devoted to drawing and is a large and well-lighted room.

The instruction begins with a series of graded exercises which teach accuracy in the use of tools and illustrate the principles of machine construction. This is followed by practice in the construction of parts of machinery and the building of complete machines.

The students are taken, from time to time, to visit machine-shops and engineering constructions in Philadelphia and vicinity.

Students in Engineering spend at least five hours a week for three years in the shop, and students in Electrical Engineering five hours a week for two years. In addition the following technical mechanical courses are given. For the corresponding electrical courses, see under Physics.

I. *Steam Engineering*. A study of the construction of modern steam engines, boilers, condensers, pumps, etc., followed by the thermo-dynamic principles involved in the operation of the steam engine.

L. H. Rittenhouse; 2 hours.

[Not given in 1906-7.]

IIa. *Descriptive Geometry*. [Mathematics XIV.]

Professor Reid; 2 hours, first half-year.

IIb. *Elements of Mechanism*. A study of the mechanical movements employed in machinery; various methods of transmitting and transforming motion; a detailed study of the teeth of wheels. This course includes a series of problems in invention to be solved by the student.

L. H. Rittenhouse; 2 hours, second half-year.

III. *Practical Mechanics.* This course extends through four years for engineering students. It begins with simple exercises in wood-working, embracing sawing and planing, and progresses through graded exercises in joinery of all kinds, turning and pattern-making. One year is usually spent in this department, unless the student has previously had practice in wood-working.

The iron-working is begun regularly at the beginning of the Sophomore year. Bench work in filing, chipping and scraping occupies a half-year. The second half-year is occupied with pipe fitting, forging, welding and annealing. Each student is required to make a set of tools to be used in the machine shop.

The remaining two years are devoted to the use of the various machine tools in executing a series of graded exercises, and, finally, in the construction of a complete machine such as a lathe or engine.

L. H. Rittenhouse and J. O. Rantz; 2 hours or more,
by arrangement.

IV. *Mechanical Drawing and Machine Design.* A course beginning with the elementary projection of solids and complicated intersections, and embracing the design of plain and bevel gear wheels (cycloidal and involute), worm gearing, the Stephenson link motion for reversible steam engines, etc. The course concludes with the design of a steam engine or a gasoline motor, and complete detail drawings of all working parts.

O. M. Chase; 2 hours or more, by arrangement.

V. *Materials of Construction.* A study of the materials

employed in engineering constructions, including the manufacture and properties of iron in all its commercial forms of cast iron, steel and wrought iron; the making of alloys; the strength, elasticity and ductility of metals; the strength of timbers, shafting, girders, trusses, etc.

L. H. Rittenhouse; 2 hours, second half-year.

PHYSICAL TRAINING.

The new Gymnasium contains a main floor, sixty by ninety feet, abundantly equipped with the most improved American and Swedish gymnastic appliances and circled by an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the director in physical examination and measurement. These rooms may be further utilized for special work by students taking advanced courses in anatomy and physiology, preparatory to medicine, and by those electing normal courses in physical training. Adjoining the main hall is located a large and comfortable reading room. Above are a trophy room and apartments for the use of the alumni.

The following periodicals are taken by the Reading Room:—

American Cricketer.
American Gymnasia.
Collier's Weekly.
Cosmopolitan.
Field and Stream.
Golf.
Harper's Weekly.
Horseless Age.

Illustrated Sporting News.
Judge.
Life.
London Graphic.
McClure's Magazine.
Outing.
Success.

The basement contains dressing-rooms, a number of well-ventilated lockers, shower-baths and a swimming pool. There is also a special dressing-room for the use of the faculty and visiting athletic teams, and a double bowling alley.

A thorough physical examination is given to all students upon entrance, and another at the end of the Sophomore year. They must be physically eligible before representing the College upon football, gymnasium or athletic teams.

The work of the department begins with a course of lectures upon anatomy, physiology and hygiene, given to the Freshman class during the first quarter of the college year. This is followed by systematic gymnastic drill during the two succeeding quarters, four periods a week.

A similar course of three periods a week is required during the Sophomore year and elective courses are open to Seniors and Juniors.

The student must take one of the following courses :

I. A course in modified Swedish educational gymnastics.

II. A course in general light and heavy gymnastic work.

III. Regular practice with the candidates for the College gymnastic team, for entrance to which gymnastic ability and physical qualifications are requisite.

For additional courses in anatomy and physiology, see pages 54-57.

THE LIBRARY.

The College Library now contains over forty-eight thousand volumes, besides numerous pamphlets. It is arranged with the object of making it especially useful as a library of reference. The students have free access to the shelves and the Librarian and his assistants are, at all times, ready to give aid to students and readers.

About eighteen hundred dollars are expended yearly for the purchase of books and periodicals. The library is a regular depository of the United States Government, and several hundred volumes of publications are annually received.

The following literary and scientific periodicals are taken :

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| Acta Mathematica. | Astronomical Journal. |
| Advocate of Peace. | Astronomische Nachrichten. |
| American Friend. | Astrophysical Journal. |
| American Historical Review. | Athenæum. |
| American Journal of Archæology. | Atlantic Monthly. |
| American Journal of Mathematics. | Australian Friend. |
| American Journal of Religious Psychology. | Banner and Herald. |
| American Journal of Theology. | Beiblätter für die Annalen der Physik. |
| American Journal of Philology. | Beiträge zur Geschichte der deutschen Sprache und Literatur. |
| American Journal of Science. | Biological Bulletin. |
| American Machinist. | Bird Lore. |
| American Naturalist. | Bookman. |
| Anglia. | British Friend. |
| Anglia Beiblatt. | Bulletin Astronomique. |
| Annalen der Physik. | Bulletin des Sciences Mathématiques. |
| Annals of American Academy. | Bulletin of American Mathematical Society. |
| Annals of Mathematics. | |
| Archiv für lateinische Lexicographie und Grammatik. | |

- Bulletin of the Bureau of Standards.
 Bulletin of the Department of Labor.
 Bulletin of Bibliography.
 Cassier's Magazine.
 Catalogue of U. S. Public Documents.
 Century Magazine.
 Chicago Banker.
 Classical Journal.
 Classical Philology.
 Classical Review.
 Columbia University Quarterly.
 Commercial and Financial Chronicle.
 Comptes Rendus de l'Académie des Sciences.
 Congressional Record.
 Consular Reports.
 Contemporary Review.
 Critic.
 Cumulative Index.
 Department of Labor Bulletin (New York).
 Dial.
 Drexel Institute Bulletin.
 Economist (London).
 Educational Review.
 Electrical World.
 Electrician.
 Electrochemical and Metallurgical Industry.
 Englische Studien.
 English Catalogue of Books.
 Experimental Station Record.
 Expositor.
 Expository Times.
 Forest Leaves.
 Fortschritte der Mathematik.
 Friend (London).
 Friend (Philadelphia).
 Friendly Messenger.
 Friends' Intelligencer and Journal.
 Friends' Missionary Advocate.
 Friends' Quarterly Examiner.
 Good Government.
 Harper's Magazine.
 Harper's Weekly.
 Hartford Seminary Record.
 Harvard Graduates' Magazine.
 Herald of Peace.
 Hibbert Journal.
 Independent.
 Indian's Friend.
 International Journal of Ethics.
 Jahresbericht über d. Fortschritte d. Klass. Altertumswissenschaft, und Beiblätt.
 Johns Hopkins University Circulars.
 Johns Hopkins University Studies in History, etc.
 Journal of the American Chemical Society.
 Journal of the Chemical Society.
 Journal de Mathématiques.
 Journal of Philosophy, Psychology, etc.
 Journal of Political Economy.
 Journal of the Franklin Institute.
 Journal of the Friends' Historical Society.
 Journal of English and Germanic Philology.
 Journal of Experimental Zoology.
 Journal für die reine u. angewandte Mathematik.
 Journal of the Society of Chemical Industry.
 Library Journal.
 Literary News.
 Literaturblatt für germ. u. rom. Philologie.
 Living Age.
 Lower Merion News.
 Mathematische Annalen.

- Messenger of Peace.
 Mind.
 Missionary Review.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Monthly Notices of Royal Astronomical Society.
 Monthly Summary, Commerce and Finance.
 Nation.
 National Geographic Magazine.
 Nature.
 New York Observer.
 Nineteenth Century and After.
 North American Review.
 One and All.
 Our Missions.
 Outlook.
 Peacemaker.
 Pedagogical Seminary.
 Pennsylvania Magazine.
 Philosophical Magazine.
 Philosophical Review.
 Political Science Quarterly.
 Popular Science Monthly.
 Princeton University Bulletin.
 Proceedings of the Academy of Natural Science.
 Proceedings of American Antiquarian Society.
 Proceedings of American Philosophical Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Review.
 Publishers' Weekly.
 Publications of the Modern Language Association.
 Quarterly Journal of Economics.
 Quarterly Journal of Mathematics.
 Quarterly Review.
 Review of Reviews (American).
 Revue des Deux Mondes.
 Rheinisches Museum für Philologie.
 Romania.
 Schwenkfeldian.
 Science.
 Science Abstracts.
 Scientific American.
 Scientific American Supplement.
 Scribner's Magazine.
 Smithsonian Miscellaneous Collections.
 Sound Currency.
 Southern Workman.
 Spectator.
 Transactions of the American Mathematical Society.
 University Record (Chicago University).
 War or Brotherhood.
 Wochenschrift für klassische Philologie.
 World's Work.
 Yale Alumni Weekly.
 Yale University Bulletin.
 Young Friends' Review.
 Zeitschrift für Anorganische Chemie.
 Zeitschrift für Physikalische Chemie.
 Zoologischer Anzeiger.
 Zoologisches Zentralblatt.

The Library is open from 8.30 A. M. to 10 P. M. While designed especially for the use of the officers and students, others have the privilege of consulting, and, under certain restrictions, of withdrawing books.

PUBLIC LECTURES, 1905-1906.

HAVERFORD LIBRARY LECTURES.

Three lectures by Dr. Henry Churchill King, President of Oberlin College.

"The Laws of Friendship—Human and Divine."

Second month 16, 17 and 19, 1906.

THE THOMAS SHIPLEY LECTURE ON
ENGLISH LITERATURE.

"John Dryden," by Professor LeBaron Russell Briggs, of Harvard University.

Fourth month 25, 1906.

CERCLE FRANÇAIS DE HAVERFORD.

By permission of the College, the following lectures before the "Cercle Français de Haverford" were delivered in Roberts Hall:

"Le Voyage de Monsieur Perrichon" (Comédie par Labiche et Martin), read by M. Edouard Lance de Parenty, of New York.

Eleventh month 1, 1905.

"La Poésie au Dix-neuvième Siècle: Musset, Lamartine, Hugo," by M. Florian Vurpillot, of the University of Pennsylvania.

Twelfth month 7, 1905.

"La Chanson Populaire en France" (avec chant), by M. Julien Tiersot, Bibliothecaire du Conservatoire, Paris.
First month 9, 1906.

"Interprétation et explication de morceaux choisis de poésie française: Villon, Ronsard, Malherbe, Béranger, Musset, Banville, Hugo, Richépin, etc.," by M. A. Schinz, Associate Professor of French Literature in Bryn Mawr College.

Second month 13, 1906.

"Le Luthier de Crémone," by François Coppée, read by M. P. E. Giroud, licencié-ès lettres, officier d'académie, Professor in Girard College.

Third month 8, 1906.

"Le Vieux Paris: Souvenirs Historiques et Littéraires" (Illustrated), by Professor L. A. Loiseaux, of Columbia University.

Fourth month 11, 1906.

OTHER LECTURES.

"Some Phases of the Negro Problem," by Dr. Booker T. Washington, of Tuskegee Institute. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

Twelfth month 6, 1905.

"Jujutsu: Its Historical and Educational Value" (Demonstrated), by Professor M. Honda, of Tokio, Japan.

Twelfth month 7, 1905.

"South Africa: Land and People," by Ernest William Brown, Sc. D., F.R.S., Professor of Mathematics in Haverford College. Lecture delivered under the auspices of the Phi Beta Kappa Society, Zeta Chapter of Pennsylvania.

First month 11, 1906.

"The progress of the Colored Race" (Illustrated), by G. F. Richings. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

Third month 19, 1906.

GRADING OF STUDENTS.

Students are classified, according to their grades, into five sections, A, B, C, D, E. Each student is notified of the section to which he has been assigned, but the grades are not published. Section E is composed of those who have failed. No student is permitted to graduate if his combined average for the Junior and Senior years is below grade C. Daily recitations, hour-examinations and final examinations are all employed in determining the standing of a student.

ADVANCED DEGREES.

Graduates of Haverford College of three years' standing may take the degree of Master of Arts or of Master of Science by passing an examination on some literary or scientific course of study which shall have received the approval of the Faculty. Such a course must be equivalent to one year's uninterrupted study.

Candidates who are examined may also be required to hand in dissertations on topics in the field of study which they have specially investigated.

Resident graduates, who have completed an adequate course of study, may be admitted to an examination for a second degree at the expiration of one or two years.

Notice of application for examination must be given to the President two months before Commencement. The examination for non-residents will be held during the last week in Fifth month. The fee for the Master's diploma is twenty dollars, to be paid in all cases before the 1st of Sixth month.

Adequate courses of study for the Master's degree will be arranged on application to the President.

ROOMS.

A student who continues in the College may retain the room he already occupies. The vacant rooms are assigned by lot, the upper classmen having first choice. About one-fourth of the rooms in Merion Cottage will be reserved for Freshmen. New students may select rooms in the order of entry. For this purpose they must fill certain

blanks to be had on application to the President of the College. Signatures to these blanks are considered to bind the students, unless they are refused by the College for failure in examination or other cause.

EXPENSES.

The charge for tuition, board and room-rent varies with the location of the rooms from \$375 to \$575 a year.

Accommodation for students is furnished at different rates, as follows:

Merion Cottage,	21	at \$375 each.
“	“	4 at \$400 each.
Founders Hall,	10	at \$400 each.
Barclay Hall,	6	at \$400 each.
“	“	26 at \$450 each.
“	“	54 at \$500 each.
Lloyd Hall,	16	at \$575 each.

The rent of rooms includes steam heat, electric light, necessary bed-room furniture and care of rooms. Students will supply their own study-room furniture, also towels and table napkins.

The charge for tuition is one hundred and fifty dollars a year; for tuition and mid-day meal, two hundred dollars a year.

Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills. Materials consumed and breakage in the laboratories are also charged.

Bills for board and tuition are payable, three-fifths at the beginning, and two-fifths at the middle of the college year.

SCHOLARSHIPS.

I. Senior Foundation Scholarships. Five scholarships of the annual value of \$300 each are offered to graduates nominated by the Faculties of Earlham, Penn, Wilmington, and Guilford Colleges and Friends' University.

II. I. V. Williamson Scholarships. Three scholarships covering all expenses of board and tuition.

III. Richard T. Jones Scholarship. One scholarship covering all expenses of board and tuition.

II and III are so arranged that one is usually vacated each year and awarded to a Freshman.

IV. Corporation Scholarships. Sixteen scholarships of the annual value of \$300 each will be awarded after competitive examination. They are open to all applicants.

Candidates for these scholarships in the Freshman class are usually asked to answer certain questions not required of other applicants for admission. The award for the following college year is made after the Sixth month examination of each year. Candidates in the higher classes are selected each year from those highest on the grade list in the preceding year. Four scholarships are given to each class.

V. Edward Yarnall Scholarship. One scholarship of the annual value of \$200. Open to Friends only.

VI. Thomas P. Cope Scholarship. One scholarship of the annual value of \$200. Open only to Friends who intend to teach.

VII. Sarah Marshall Scholarship. One scholarship of the annual value of \$200.

VIII. Mary M. Johnson Scholarship. One scholarship of the annual value of \$200.

IX. Day Scholarships. Eight scholarships of the annual value of \$100 each.

X. Tuition Scholarships. Twenty-four scholarships of the annual value of \$150 each. One of these may be nominated by the Lower Merion High School for the Freshman year only.

XI. Alfred Smith Scholarship. One scholarship given on competitive examination to a candidate for the Freshman class who is of German-American parentage. The annual value is \$400. It may be held for successive years if the work of the recipient is satisfactory, and may also be followed by a fellowship of \$500 for one year in Harvard University.

All scholarships are given for one year only, but they may be renewed by the College (except I) if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

Except IX and a few of X all scholarships involve residence at the College.

FELLOWSHIPS.

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

On the same foundation are offered, yearly, two fellowships of \$300 each, called Teaching Fellowships, involving certain duties at Haverford College. They are construed to cover all the charges for tuition, rooms and board.

PRIZES.

Alumni Prizes for Composition and Oratory.

The Association of the Alumni, in the year 1875, established an annual prize of \$50, either a gold medal or an equivalent value in books with a bronze medal, for excellence in composition and oratory.

The following are the rules governing the competition:

I. The Alumni medal is offered yearly for competition amongst the members of the Senior and Junior classes, as a prize for the best delivered oration prepared therefor.

II. Three or five judges shall be appointed from year to year by the Alumni Committee, who shall hear publicly, in Roberts Hall, all competitors who may be qualified to appear.

III. No oration shall occupy in delivery more than fifteen minutes.

IV. In making the award, while due weight is to be given to the literary merits of the oration, the judges are to consider the prize as offered to encourage more especially the attainment of excellence in elocution.

V. The judges shall have the right to withhold the prize if the elocution and the literary merits of the oration fall below a creditable standard of excellence.

The Everett Society Medal.

This silver medal is offered by the donor to the members of the two lower classes for composition and oratory. It is given in memory of the old Everett Society.

John B. Garrett Prizes for Systematic Reading.

Four prizes worth \$40, \$30, \$20 and \$10, respectively, will be given in books to those members of the Junior class who, having creditably pursued their regular studies and paid proper attention to physical culture, shall have carried on the most profitable course of reading in standard authors during the Sophomore and Junior years.

The direction of the work and the award of the prizes shall be in the hands of a committee consisting of the President, the Librarian and the Professor of English.

There will be an oral examination to determine the scope and quality of the reading, and a thesis treating of subjects embraced in the course will be required.

Any or all of these prizes may be omitted if, in the judgment of the committee, the work does not justify an award.

The Class of 1896 Prizes in Latin and Mathematics.

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year for proficiency in Latin and Mathematics, respectively.

The Class of 1898 Prize in Chemistry.

The Class of 1898 offers a prize of \$10 in books to the member of either the Senior or the Junior class, who, in the judgment of the professor in charge, shall have done the most thorough and satisfactory work during the year in the laboratory, and in oral and written examinations.

The prize will not be awarded twice to the same student.

The Elliston P. Morris Prize.

A prize of eighty dollars, open to all undergraduates and to graduates of not more than three years' standing, is offered in alternate years for the best essays on "International Peace and the Means of Securing It." The first award will be made in the Fifth month of 1908, and will be announced at Commencement. Any or all of the papers may be rejected if a high standard of merit is not reached. Competitors are urged to avoid mere discussion and fine writing, and to seek the advancement of knowledge by a study of facts or a proposal of practical advantage. The essay of 1908 shall be written on one of the following subjects:

1. The grounds for believing that the Hague Conference will become a substitute for war.

2. The ethical grounds for opposition to war.
3. Will the economic burden of war, and of national armaments in time of peace, force the nations of the world to adopt peaceful methods of settling disputes?

HONORS.

For the purpose of honors, studies are divided as follows:

a. Literary group: the Greek, Latin, German, French, Spanish and Italian languages, English literature, history, philosophy and political science.

b. Scientific group: astronomy, biology, chemistry, engineering, mathematics and physics.

Candidates for honors shall elect from any two studies in one of these groups at least five hours a week during the Junior year, and eight hours a week during the Senior year, and shall announce their candidacy at the beginning of the Junior year.

Highest Honors and *Honors* may be given, dependent on the judgment of the professor in charge. The decisions will be based on special examinations, or on the character of the daily work.

General Honors are awarded for a general average of ninety per cent., or over, during the Senior and Junior years.

Honors will be announced at Commencement and in the succeeding catalogue.

SOCIETIES.

The Logonian Society was established by the officers and students in 1834, and now includes three departments,—a Scientific Department which holds meetings for the reading of papers, the presentation of reports, and the discussion of such topics as may be suggested by its members; a Debating Department; and a Civics Department for the discussion of political and economic questions.

A flourishing branch of the Young Men's Christian Association, organized in 1879, has a membership embracing three-fourths of the students.

A chapter of the Phi Beta Kappa Society was established at the College in 1898.

The Campus Club is an organization of the faculty, students and other friends of the College for promoting the study and preservation of trees, shrubs, birds and wild animals on the college property.

PERIODICALS.

Haverford College Bulletin. Five publications for the collegiate year in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

The Haverfordian, founded in 1879, is published monthly by the students during the college year.

DEGREES, PRIZES AND HONORS
GRANTED IN 1906.

At the Commencement in 1906, degrees were granted after examination to the following graduates:

MASTER OF ARTS.

Christian Brinton, A.B. (Haverford College).
Enoch Farson Hoffman, A.B. (Haverford College).
Sceva Bright Laughlin, A.B., A.M. (Penn College).
Herman Newman, A.B. (Friends' University),
A.B. (Haverford College).
Sigmund Gottfried Spaeth, A.B. (Haverford College).
Chester Jacob Teller, S.B. (Haverford College).
Samuel Norman Wilson, A.B. (Haverford College).

BACHELOR OF ARTS.

Edmund Fletcher Bainbridge	William Kennard, Jr.
Donald Cornog Baldwin	William Gibbon Lindsay
Frank Seneca Breyfogel	Arthur Tilghman Lowry
Thomas Kite Brown, Jr.	Warren Koons Miller
Walter Carson	James Monroe
Richard Lucius Cary	Spencer Gilbert Nauman
Aubrey Cowtan Dickson	Jesse Duer Philips
Henry Warrington Doughten, Jr	Henry Pleasants, Jr.
James Turner Fales	David James Reid
Gordon Harwood Graves	Elliott Bartram Richards
William Henry Haines, Jr.	Ralph William Sands

Roderick Scott	Albert Keith Smiley, Jr.
Franklin Gates Sheldon	Francis Richards Taylor
Raphael Johnson Shortlidge	Joseph Tunney
Walter Albert Young	

BACHELOR OF SCIENCE.

Thomas Crowell	Francis Bolton Morris
Joseph Pusey Edsall	Joseph Walton Mott
Albert Weimer Hemphill	Daniel Herbert Schweyer
Harry Boardman Hopper	John Alfred Stratton

FELLOWSHIPS.

*The Clementine Cope Fellowship (\$500) for 1906-1907
was awarded to*

Walter Carson

*Two Teaching Fellowships (\$300 each) for 1906-1907
were awarded to*

Thomas Kite Brown, Jr.
Roderick Scott

PRIZES.

*The Alumni Prize in Composition and Oratory (\$50 in
books) was awarded to*

Harold Evans
Honorable Mention.....Warren Koons Miller

*The Everett Society Oratorical Medal for Sophomores
and Freshmen was awarded to*

James Carey Thomas

*The John B. Garrett Prizes (in books) for Systematic
Reading during the Sophomore and Junior years
were awarded to*

First Prize (\$40).....José Padin

Second Prize (\$30).....Not Awarded

Third Prize (\$20)..... Joseph Cooper Birdsall

Fourth Prize (\$10)..... Howard Hey Shoemaker

*The Class of 1896 Prizes (in books) in Latin and Mathe-
matics for Sophomores were awarded to*

Latin (\$10) Frederic Omar Musser

Mathematics (\$10) Morris Albert Linton

*The Class of 1898 Prize in Chemistry (\$10 in books) for
Seniors or Juniors was awarded to*

Richard Lucius Cary

HONORS.

*The following Seniors were elected to the Phi Beta Kappa
Society:*

Thomas Kite Brown, Jr.

Gordon Harwood Graves

Walter Carson

Ralph William Sands

Roderick Scott

Aubrey Cowtan Dickson

Richard Lucius Cary

Elliott Bartram Richards

General Honors (an average of 90 per cent. or over, for the Junior and Senior years) were awarded to

Thomas Kite Brown, Jr.	Roderick Scott
Walter Carson	Richard Lucius Cary

Honors in Departments were granted as follows:

Honors in Greek and English	{ Thomas Kite Brown, Jr.
	{ Elliott Bartram Richards
Honors in English	Raphael Johnson Shortlidge
Honors in History	Warren Koons Miller
Honors in History and Economics	Ralph William Sands
Honors in Economics	{ Aubrey Cowtan Dickson
	{ Franklin Gates Sheldon
Honors in Philosophy and English	Roderick Scott
Honors in Philosophy and French	Francis Richards Taylor
Honors in Philosophy	Walter Carson
Honors in Chemistry and Mathematics	
	Richard Lucius Cary

Corporation Scholarships.

These \$300 scholarships are awarded annually to the four students in each class having the highest average scholarship for the year. In some cases the money is applied, at the option of the holder, to students of greater financial need, the original recipient retaining the honor.

Holders of Corporation Scholarships for the collegiate year 1906-1907.

Class of 1907

Harold Evans	Ernest Fuller Jones
George Hallock Wood	James Phineas Magill

Class of 1908

Morris Albert Linton

Howard Burt

Carl Forse Scott

Thomas Rothwell Hill

Class of 1909

R. Lindley Murray Underhill Frederick Clifford Hamilton

Clarence Creadick Killen

Charles Baker Thompson

Class of 1910.

Alfred Ingersoll Phillips, Jr. Christopher Darlington

John French Wilson

Morley

Edward Wandell David

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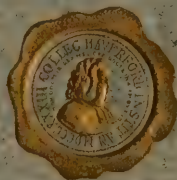


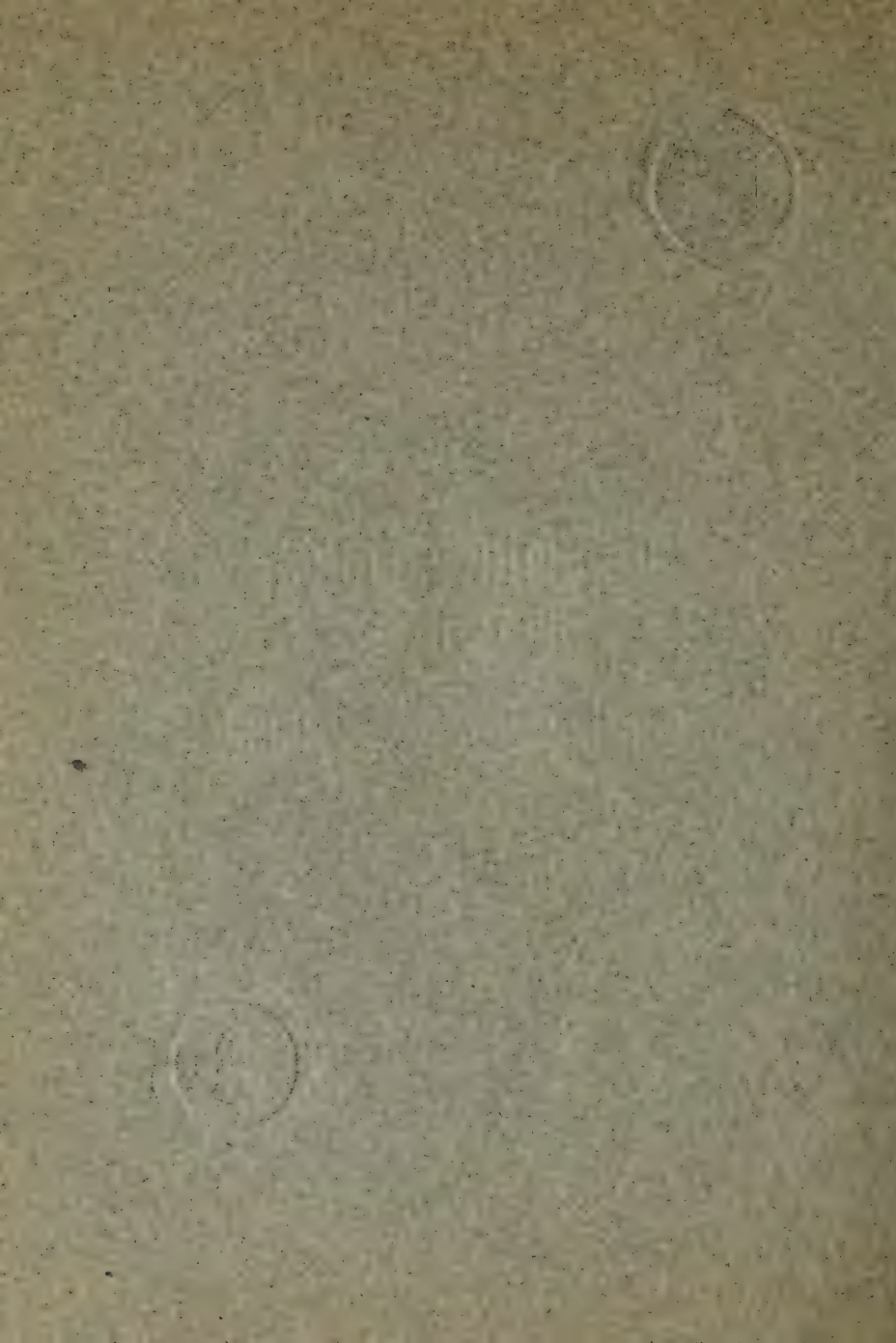


Haverford College Bulletin

VOL. V FOURTH MONTH 1907 NO. 3

Illustrations and Description







Barclay Hall



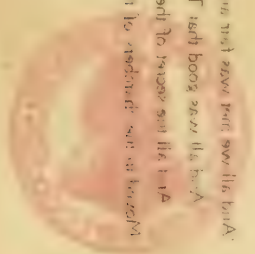
HAVERFORD COLLEGE BULLETIN

Vol. V

FOURTH ANNUAL, 1907

No. 1

Illustrations and Descriptions



boog koo nst aave pnt soo illa kooA
gand kuroo smi T ish boog aave illa in A
gand sli to pavo soo illa in A
"bood sli to aedat' soo in koochi

"And all we met was fair and good,
And all was good that Time could bring.
And all the secret of the Spring
Moved in the chambers of the blood"

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Vol. V

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PREFACE

This number of the Haverford College Bulletin is intended to give to our older graduates and the friends of the College an idea of its development in recent years and its material and educational condition as it approaches its seventy-fifth birthday. For this purpose the following summary may be interesting:—

Acres of land in College property, 225.

Value (estimated), \$1,250,000.

Value of other lands owned by the College (estimated), \$500,000.

Productive Endowment, \$1,200,000.

Number in Faculty, 20.

Number of Students, 149.

Tuition, Board and Room Rent per year, \$375 to \$575.

Tuition per year, \$150.

Competitive Scholarships, 16.

Other Scholarships, 46.

Courses: Arts, Science, Engineering.

Admission: By examination only.

Athletics: Cricket, Football, Tennis, Golf, Skating,
Gymnastics, Field and Track Athletics.

HAVERFORD,

Third Month, 1907.



The Upper Drive

HAVERFORD COLLEGE.

Haverford is a suburban station on the main line of the Pennsylvania Railroad, nine miles from the center of Philadelphia. The College buildings are situated in a tract of 225 acres, one-third of a mile from the station. The surrounding country was settled in 1682 and succeeding years by Welsh Quakers, who gave the name of their old home—Haverford—to the township. It is now occupied by residences of Philadelphians, and, beyond the College, by a farming community. The College, therefore, has a healthful location in the country, although



Founders Hall

it is within twenty minutes ride of the libraries and other conveniences of a city of a million and a quarter of people. The large acreage gives it command of springs of pure water and every facility for good drainage.

The institution was opened in 1833. Such of the ground immediately around the building as was not natural woodland—sixty acres in extent—was planted with trees most wisely selected and arranged. The growth of over seventy years has made a beautiful park, which now includes several excellent fields for athletic sports; and a good deal of labor and money is still expended in efforts to maintain the high



Roberts Hall and Barclay Hall

standard set by the founders. Perhaps no better setting for a college is to be found in America.

The buildings consist of (1) Founders Hall, erected in 1833, which now contains the scientific laboratories, six lecture rooms, and rooms for a few students. To this was added in 1905 a new wing costing about \$55,000, which provides an adequate dining hall and kitchen arrangements of corresponding size and quality; (2) the Observatory, with two equatorial telescopes and a variety of smaller instruments, built in 1852; (3) the Library building, erected



The Library



The Library, Interior

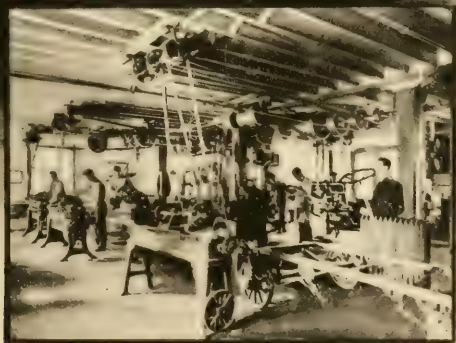
in 1863 and doubled in size in 1898, which contains 48,000 bound volumes and several thousand pamphlets, and regularly receives some 165 periodicals; (4) Barclay Hall, a dormitory erected in 1876-7, with accommodations for eighty-two students; (5) Chase Hall, built in 1888, with four rooms for lectures and recitations; (6) the Cricket Shed, built in 1893, for winter practice in this peculiarly Haverfordian sport; (7) Whitall Hall, built in 1896, a mechanical laboratory containing a valuable equipment for working with metals and wood, and a large room for classes in drawing; (8) Lloyd Hall, a dormitory built in 1899, with the most modern

arrangement of rooms, now accommodating sixteen students; (9) the Gymnasium, built in 1900, at an expense of \$50,000, a gift of the Alumni; (10) Roberts Hall, the gift of an interested friend in 1902, containing a large auditorium, the administrative offices, and fire-proof rooms to protect the valuable autograph collection made by the late Charles Roberts; (11) Merion Cottage (formerly occupied by the Haverford College Grammar School) recently adapted as a dormitory for thirty-five students; and (12) a central heating and lighting plant, just completed.

According to the reports from the Treasurer, the productive endowment of the College



The Observatory



Chase Hall
and Whitall Hall



"Atque inter silvas Academi quaerere verum"

amounts to about twelve hundred thousand dollars. There is also a tract of land now on the market which will increase this sum by perhaps a half million dollars. It is thus no longer necessary for the institution to depend on the liberality of its friends to meet its current expenses; though this liberality, which has even increased of late, is still available for improvements of various kinds. Within the past decade the College has been enabled to spend \$250,000 on material improvements. It has received an increase of \$10,000 to the endowment of the professorship of chemistry, a fund of \$25,000



Dining Hall and Lloyd Hall

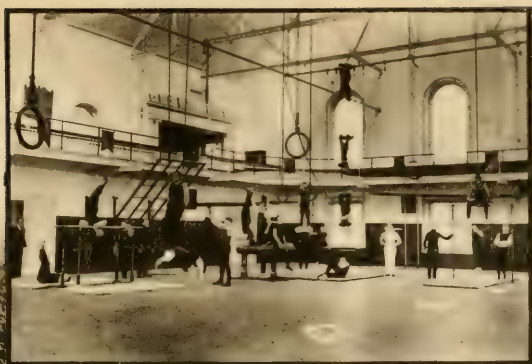
to establish a fellowship for Haverford graduates in university work, a fund of \$125,000 to maintain courses in philosophical and Biblical study, an increase of scholarship funds of about \$9,000, a fund of \$5,000 for lectures on English literature, a fund of \$1,000 for prizes for essays on the subject of international peace, and it has increased by more than \$40,000 the general endowment fund. Meanwhile the sale of land belonging to the Jacob P. Jones estate has added about \$400,000 to the resources of the College.

The expenses of a student vary from \$375 to \$575, according to the location of his room. This does not include books, laundry work, or



"Hae latebrae dulces etiam, si credis, amoenae"

study room furniture. These charges may be reduced by scholarships, which range in amount from \$100 to \$300, and are given on the ground of excellent work and financial need. Especially to be mentioned are the Corporation scholarships of \$300 each, given to the four applicants



The Gymnasium



for the Freshman class passing the best entrance examination, and tenable for four years if the recipient maintains his standing.

The faculty consists of twenty professors and instructors. They form a harmonious body of scholarly men, all of whom have advanced degrees, and most of whom have received their doctorates from first class universities. The conditions under which they work are peculiarly



Roberts Hall



"Not wholly in the busy world, nor quite
Beyond it, blooms the garden that I love"

favorable for continued scholarship and for loyal interest in the affairs of the College. Their residences are scattered about the College grounds, or are in the dormitory buildings.

The standard of admission to the College is practically the same as that required by other first class colleges and by the collegiate departments of the large universities. No admission to the Freshmen class can be secured without examination, but the College will accept as a substitute for its own examinations those of the Central Board of Colleges of the Middle States.



The Dining Hall



The College grants two degrees—Bachelor of Arts and Bachelor of Science. The course leading to the degree in Arts permits a large amount of elective study, especially in the last two years. It is possible for a student, interested in any particular subject, to concentrate almost all his energies upon that subject, or the related ones; while he who wishes a broad and general education may so arrange his choice as to secure it. The Science courses are four in number: (1) General Science; (2) Mechanical Engineering; (3) Electricity; (4) Chemistry and Preparatory Medicine. The last three are



View from Tennis Courts



Lloyd Hall



technical courses, but have a larger proportion of general subjects connected with them than is usual in such cases.

The life of the students is thoroughly enjoyable. They take their meals together in one large hall, and live closely associated in the various dormitories; a strong *esprit de corps* consequently pervades the College, and both professors and students secure, during their residence together, a close mutual acquaintance.



A Corner of the Memorial Garden



COPE
FIELD

Cricket Pavilion



"Together joined in cricket's manly toil"



Cricket Shed for Winter Practice

The principal sports are football in the autumn and winter, and cricket in the spring. In Rugby football the College finds worthy antagonists in a number of neighboring colleges; in the Association game and in cricket it plays matches with several universities each year. The large number of cricket clubs around Philadelphia gives opportunities for other interesting contests; and on three occasions the College eleven has extended its operations into England, and played the great English schools with satisfactory results. In the winter, gymnasium contests are arranged with several colleges, and the students have also a large skating pond as a means of recreation. The spacious modern

WALTON

FIELD



gymnasium, which is not merely a place for feats of strength, but is a club house as well, with reading rooms and other accessories, affords an excellent opportunity for healthful winter exercise. There are several intercollegiate track and field meetings held each year, while tennis courts and golf links also have their devotees. The grounds on a fine spring or autumn day, with students in their outing costumes, engaged in different games amid the beautiful trees and shrubbery, make an attractive picture.

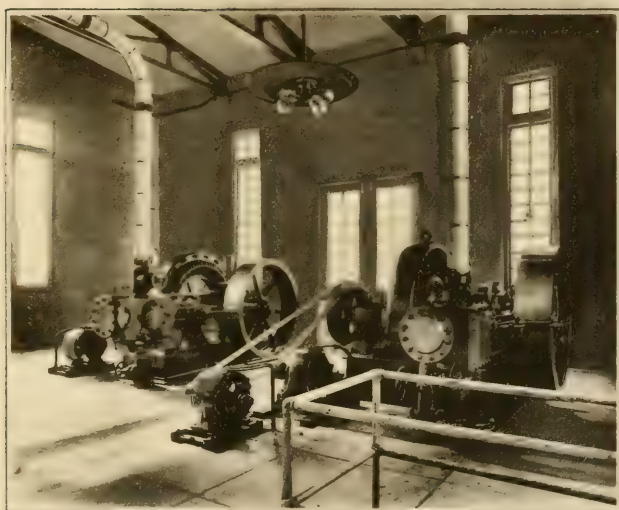


Approach to the Gymnasium



'Witch-elms that counterchange the floor
Of this flat lawn with dusk and bright'

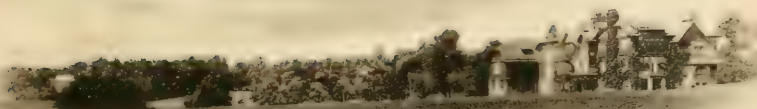
In considering the internal conditions of the College, the first natural question would be as to the ideals which govern its students, and their moral and social character. This is partially answered by a reference to the home environment of the students, which is, almost without exception, that of refinement and morality. The initial tendency of the home is strengthened by the traditions of the College and the influence promoted by the faculty. A potent influence is also exerted by the Young Men's Christian Association, embracing three-fourths of the



Heat, Light and Power Plant
Engine and Dynamo Room

students, in which members of the faculty have no official part, and which is entirely voluntary in its attendance and independent in its methods. It develops the sense of student responsibility for moral conditions in a way to make the College practically self-governing. The disciplinary requirements are not rigid, the faculty having concluded that a strong spirit of manliness and self-reliance pervading the College is worth more than restrictions of students' liberties.

Every college has its ideal; that of Haverford is to give to a limited number of young men every advantage, physical, intellectual and religious, which a good endowment and a definite sense of responsibility can supply.



Merion Cottage

FACULTY, 1906-07

ISAAC SHARPLESS, Sc.D., LL.D., L.H.D.,
President, and Professor of Ethics.

ALLEN CLAPP THOMAS, A.M.,
Librarian, and Professor of History.

LYMAN BEECHER HALL, Ph.D.,
John Farnum Professor of Chemistry.

FRANCIS BARTON GUMMERE, Ph.D.,
Professor of English and German.

ERNEST WILLIAM BROWN, Sc.D., F.R.S.,
Professor of Mathematics.

WILFRED PIRT MUSTARD, Ph.D.,
Professor of Latin.

HENRY SHERRING PRATT, Ph.D.,
David Scull Professor of Biology.

JAMES ADDISON BABBITT, A.M., M.D.,
Physical Director, and Associate Professor of Physiology.

RUFUS MATTHEW JONES, A.M., Litt.D.,
Professor of Philosophy.

OSCAR MARSHALL CHASE, S.M.,
Secretary of the College, and Instructor in Drawing.

ALBERT SIDNEY BOLLES, Ph.D., LL.D.,
Lecturer on Commercial Law and Banking.

DON CARLOS BARRETT, PH.D.,
Dean, and Associate Professor of Economics.

ALBERT ELMER HANCOCK, PH.D.,
Associate Professor of English and German.

LEGH WILBER REID, PH.D.,
Associate Professor of Mathematics.

WILLIAM WISTAR COMFORT, PH.D.,
Associate Professor of Romance Languages.

WILLIAM WILSON BAKER, PH.D.,
Associate Professor of Greek.

FREDERICK PALMER, JR., A.M.,*
Instructor in Physics and Astronomy.

ALFRED COPE GARRETT, PH.D.,
Lecturer on Biblical Literature.

LEON HAWLEY RITTENHOUSE, M.E.,
Instructor in Mechanics and Electricity.

ALPHEUS WILSON SMITH, PH.D.,
Instructor in Physics.

WILLIAM HENRY COLLINS, A.M.,
Superintendent of Buildings and Grounds.

RICHARD LUCIUS CARY, A.B.,
Assistant in the Chemical Laboratory.

*Absent 1906-7.

"Laudaturque domus longos quae prospicit agros"





HAVERFORD COLLEGE BULLETIN

VOL. V

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No. 4

Athletic Number

1906-1907



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Haverford College Athletics



1906 - 1907



*Edited in the Interest of
Haverford Athletics, by*
JAMES A. BABBITT, M. D.
*Director of the
Physical Department*

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Philadelphia, Pa.

INTRODUCTION

But little need be added to this record of another year in athletics. It is natural that in a series of years certain teams should periodically lack strength, and the cricket material of 1907, necessary to maintain the uniform standard of recent years, was not available. This, however, encourages to renewed effort and will prove but temporary loss.

The College has been well represented on field and in gymnasium and adds another year to her general credit in the collegiate world.

Thanks are due Mr. Wilbur Haines for assistance in compilation, and to H. B. Rolfe for photographs.

JAMES A. BABBITT.

Haverford College, June 12, 1907.

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Joint Committee on Athletics, 1906-07

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J. BUSHNELL, 3D

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C. K. DRINKER

J. W. NICHOLSON



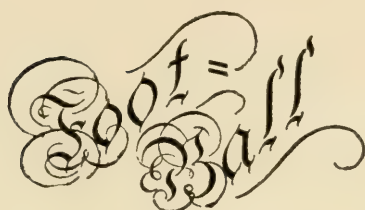
Athletic Association

F. D. GODLEY, '07—*President*

J. B. CLEMENT, '08—*Vice-President*

M. H. C. SPIERS, '09—*Secretary*

C. J. RHODES, '93—*Treasurer*



—SEASON—

Foot Ball Department

P. W. BROWN, '07—*Chairman*

G. K. STRODE, '08—*Vice-Chairman*

M. H. MARCH, '07—*Manager*

C. K. DRINKER, '08—*Asst. Manager*

E. F. JONES, '07—*Captain*

H. N. THORN, '04—*Head Coach*

A. H. HOPKINS—*Field Coach*

Haverford College Foot Ball Team

New York University Game

E. F. JONES, '07 (Captain)	.....	<i>Right Half Back</i>
G. H. WOOD, '07	.....	<i>Left Guard</i>
J. C. BIRDSALL, '07	.....	<i>Right Guard</i>
W. H. HAINES, '07	.....	<i>Quarter Back</i>
J. P. MAGILL, '07	.....	<i>Left End</i>
C. T. BROWN, '08	.....	<i>Full Back</i>
A. C. LEONARD, '08	.....	<i>Right End</i>
G. S. BARD, '09	.....	<i>Left Half Back</i>
F. M. RAMSEY, '09	.....	<i>Right Tackle</i>
R. A. SPAETH, '09	.....	<i>Center</i>
O. M. FROST, '10	.....	<i>Left Tackle</i>

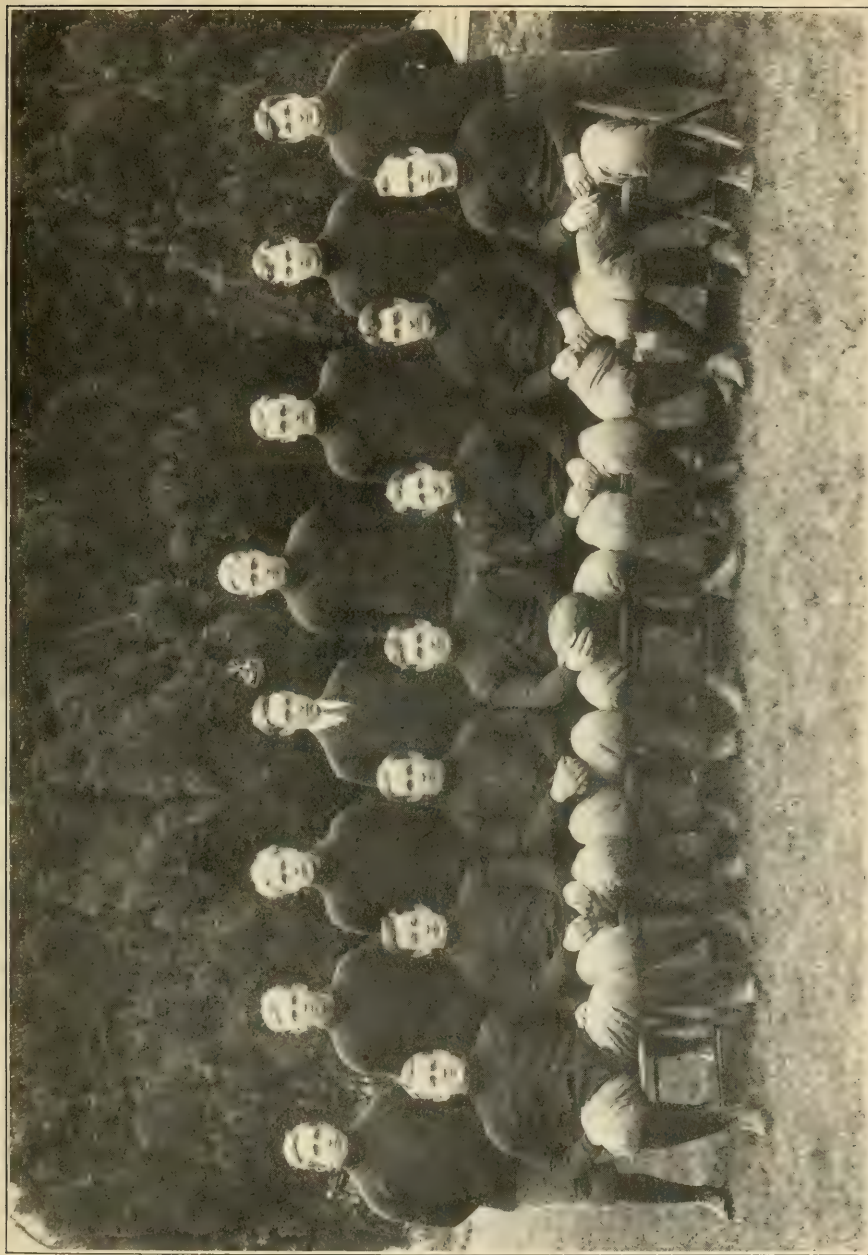
Foot Ball Season 1906

Games Played, with Scores

Haverford.....	4	Medico-Chi	0 (at home)
Haverford.....	5	Lehigh	0 (away)
Haverford.....	0	Rutgers	0 (at home)
Haverford.....	23	Ursinus	16 (at home)
Haverford.....	4	Franklin and Marshall	0 (away)
Haverford.....	23	Johns Hopkins	0 (at home)
Haverford.....	0	Trinity	0 (away)
Haverford.....	68	New York University.....	0 (at home)
<hr/> Total		127	Total
			16

Statistics of Foot Ball Team

	<i>Age.</i>	<i>Height.</i>	<i>Wght.</i>
E. F. JONES, '07 (Capt.) <i>Right Half Back</i>	23.	.5 ft. 9 in.	163
G. H. WOOD, '07, <i>Left Guard</i>	23.	.5 ft. 11 in.	178½
J. C. BIRDSALL, '07, <i>Right Guard</i>	23.	.6 ft.	169
W. H. HAINES, '07, <i>Quarter Back</i>	23.	.5 ft. 6 in.	148
J. P. MAGILL, '07, <i>Left End</i>	21.	.5 ft. 7 in.	145
C. T. BROWN, '08, <i>Full Back</i>	19.	.5 ft. 10½ in.	163
A. C. LEONARD, '08, <i>Right End</i>	21.	.5 ft. 4½ in.	135
G. S. BARD, '09, <i>Left Half Back</i>	19.	.5 ft. 7 in.	158
F. M. RAMSEY, '09, <i>Right Tackle</i>	21.	.5 ft. 9 in.	160
R. A. SPAETH, '09, <i>Center</i>	19.	.5 ft. 10 in.	153
O. M. FROST, '10, <i>Left Tackle</i>	23.	.5 ft. 9 in.	138
P. W. BROWN, '07, <i>Sub. Quarter Back</i>	21.	.5 ft. 8 in.	146
T. K. SHARPLESS, '09, <i>Sub. Right End</i>	19.	.5 ft. 9 in.	138



HAVERFORD COLLEGE FOOT BALL TEAM, 1906-7.

Foot Ball H's were awarded to the following:

E. F. JONES, '07	G. S. BARD, '09
G. H. WOOD, '07	F. M. RAMSEY, '09
J. C. BIRDSALL, '07	R. A. SPAETH, '09
W. H. HAINES, '07	O. M. FROST, '10
J. P. MAGILL, '07	P. W. BROWN, '07
C. T. BROWN, '08	A. E. BROWN, '07
A. C. LEONARD, '08	T. K. SHARPLESS, '09

No Scrub H's awarded.

Individual Points Scored*Touchdowns.*

E. F. JONES.....	40
C. T. BROWN	40
G. S. BARD	10
A. HUTTON	10
G. H. WOOD.....	5

Goals.

W. H. HAINES	4
C. T. BROWN	8
A. HUTTON	1

Goals from Field.

W. H. HAINES	4
C. T. BROWN	8

Interclass Foot Ball Games

Sophomores	0	Freshmen	0
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Association Foot Ball, 1906-07

P. W. BROWN, '07—*Chairman*

C. K. DRINKER, '08—*Vice-Chairman*

E. R. TATNALL, '07—*Manager*

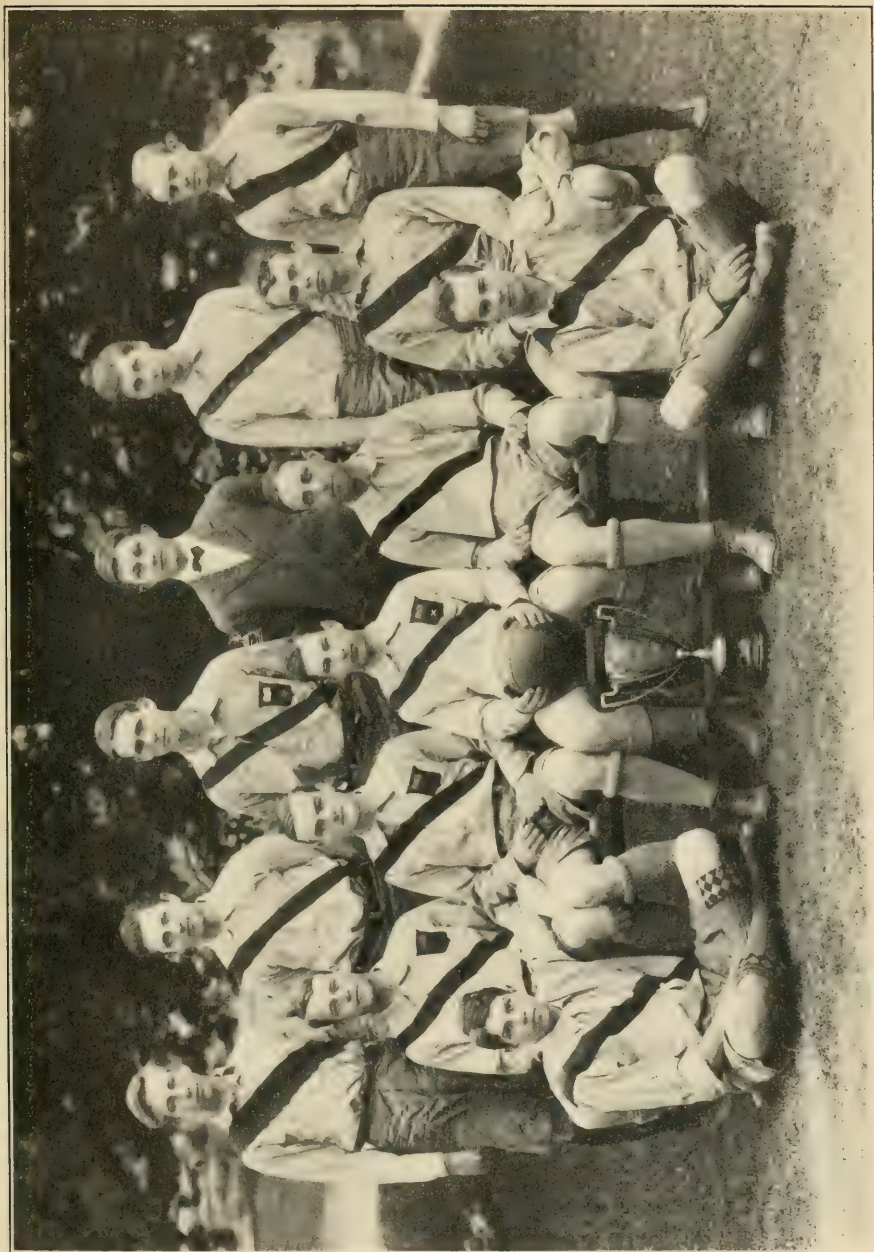
J. B. CLEMENT, '08—*Asst. Manager*

W. R. ROSSMAESSLER, '07—*Captain*

Games Played, with Scores

Haverford	0	Belmont C. C.	4
Haverford	2	Cornell	1
Haverford	0	Boys' Club of New York	5
Haverford	1	Merion C. C.	2
Haverford	1	Germantown C. C.	4
Haverford	2	Harvard	1
Haverford	1	P. & R. Y. M. C. A.	6
Haverford	10	Philadelphia C. C.	0
Haverford	0	Univ. of Pennsylvania	0
Haverford	4	Merion C. C.	3
Columbia	forfeited		
Princeton	cancelled		
Haverford	5	Belmont	0
Haverford	0	Mt. Washington	1

There were 3 teams playing during the season. All met with fair success.



HAVERFORD COLLEGE ASSOCIATION FOOT BALL TEAM, 1906-7.

Association Foot Ball

Haverford vs. Cornell

HAVERFORD.	<i>Positions.</i>	CORNELL.
Strode	Outside left.....	Chryssidy
Furness	Inside left.....	Sarmiento
Baker	Center forward.....	McDonald
Shoemaker	Inside right.....	Delcasse
Bushnell	Outside right.....	Bylevett
Windle	Left half-back.....	Wilson
Rossmuessler	Center half-back.....	Dragoshinoff
Drinker	Right half-back	Molevsky
Godley	Left full-back.....	Sampaio
C. Brown	Right full-back.....	De Bye
Warner	Goal	Wood

Referee—Bishop. Linesmen—Gummere, Smith. Goals—Baker, 2; McDonald. Time of halves—35 minutes.

Haverford vs. Harvard

HAVERFORD.	<i>Positions.</i>	HARVARD.
A. N. Warner	Guard.....	F. V. Malim
C. T. Brown	Right full-back.....	T. Thackera
F. D. Godley.....	Left full-back.....	W. H. Kidder
C. K. Drinker	Right half-back	P. Brooks
W. R. Rossmuessler...	Center half-back.....	W. Reggio
W. B. Windle.....	Left half-back.....	L. A. Bird
J. Bushnell	Right outside.....	W. A. Forbush
H. Furness	Right inside.....	A. N. Reggio
P. T. Baker	Center.....	P. Osborne
W. R. Shoemaker.....	Left inside.....	L. B. Robinson
G. K. Strode	Left outside.....	G. Biddle

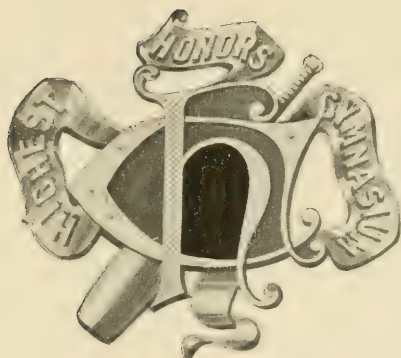
Referee—J. H. Fairfax-Lucy. Linesmen—F. Leelan, Harvard; A. Leelan, Haverford. Goals—Haverford, Baker, 2. Harvard, A. N. Reggio. Time of halves—25 minutes.

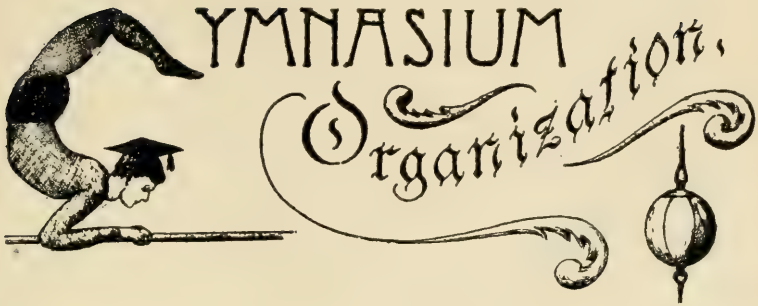
Association Foot Ball

Haverford vs. Pennsylvania

HAVERFORD.	<i>Positions.</i>	PENNSYLVANIA.
Strode	Outside left	Shoemaker
Furness	Inside left	H. Morris
Baker	Center forward	Widdows
Shoemaker	Inside right	Pepper
Bushnell	Outside right	A. Montgomery
Windle	Left half-back	R. Wood
Rossmassler	Center half-back	Shopbach
Drinker	Right half-back	Ewing
Kurtz	Left full-back	Keating
C. Brown	Right full-back	Goodfellow
Warner	Guard	Bricker

Referee—Bishop. Linesmen—Pleasants, U. of Pa.; Godley, Haverford. Time of halves—30 minutes. No scores.





Haverford College Gymnasium Team, 1906-07

J. BUSHNELL, 3D, '08, *Captain*

F. BAILEY, '08

C. T. BROWN, '08

H. BURTT, '08

E. A. EDWARDS, '08

A. C. LEONARD, '08

C. F. SCOTT, '08

E. SHOEMAKER, '09

R. SPAETH, '09

S. MASON, '10

J. PHILIPS, '10

W. R. ROSSMAESSLER, *Manager*

Interclass Gymnastic Contest

December 12, 1906

Results:

FLYING RINGS—First, Edwards, '08; second, Mott, '09; third, Baily, '08.

‡SIDE HORSE—First, Burtt, '08; second, Lewis, '09; third, Phillips, '10.

HORIZONTAL BAR—First, Edwards, '08; second, Bushnell, '08; third, Spaeth, '09.

PARALLEL BARS—First, Edwards, '08; second, Brown, '08; third, Mason, '10.

TUMBLING—First, Leonard, '08; second, Bushnell, '08; third, Mason, '10.

ROPE CLIMB—First, Mason, '10; second, Bard, '09; third, Roberts, '10.

FENCE VAULT—First, Burtt, '08; second, Edwards, '08; third, Warnock, '09.

SIDE HORSE (novice)—First, David, '10; second, Drinker, '08; third, Judkins, '10.

FLYING RINGS (novice)—First, Fay, '09; second, Kenderdine, '10; third, Martin, '10.

CLUB SWINGING—First, Myers, '09; second, Scott, '08; third, Shoemaker, '09.

The banner presented by '97 was won by '08.

Quadrangular Exhibition

January 19, 1907

PART I.

HORIZONTAL BAR.

H. S. Shoonmaker, J. A. Voskamp.....	COLUMBIA
F. Bradford, E. E. Krauss	UNIV. OF PENNSYLVANIA
McCabe, Dowd	PRINCETON
J. Bushnell, 3d, E. A. Edwards, R. A. Spaeth....	HAVERFORD

SIDE HORSE.

E. D. Bryde, H. S. Schoonmaker	COLUMBIA
F. Lauton, E. Krauss.....	UNIV. OF PENNSYLVANIA
Krause	PRINCETON
R. L. Cary, H. Burt, T. K. Lewis, J. R. Phillips..	HAVERFORD

CLUB SWINGING.

F. Bradford	UNIV. OF PENNSYLVANIA
Cooper	PRINCETON
C. F. Scott, F. A. Myers, E. Shoemaker.....	HAVERFORD

SPECIAL TUMBLING.

Bushnell, Brown, Leonard, Bard	HAVERFORD
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PART II.

Haverford College Mandolin Club.

BALANCING TRAPEZE.

VezinPRINCETON

PARALLEL BARS.

Schoonmaker, M. ThomsonCOLUMBIA

G. Spaulding, E. KraussUNIV. OF PENNSYLVANIA

McCabe, DowdPRINCETON

C. T. Brown, E. A. Edwards, S. Mason.....HAVERFORD

FLYING RINGS.

P. J. McCulloch, W. H. Runk, J. A. VoskampCOLUMBIA

Bradford, H. LevyUNIV. OF PENNSYLVANIA

McCabe, DowdPRINCETON

E. A. Edwards, F. C. Bailey, R. Mott.....HAVERFORD

TUMBLING.

G. SpauldingUNIV. OF PENNSYLVANIA

McCabe, DowdPRINCETON

J. Bushnell, A. C. LeonardHAVERFORD

Announcer—G. K. Strobe.



HAVERFORD COLLEGE GYMNASIUM TEAM, 1906-7.

Gymnastic Contest

Haverford vs. Lehigh

March 9, 1907

Results :

HORIZONTAL BAR—First, Bushnell, Haverford; second, Gaston, Lehigh.

SIDE HORSE—First, Young, Lehigh; second, Phillips, Haverford.

CLUBS—Tie, Shoemaker, Haverford, and Frankenfield, Lehigh.

PARALLEL BARS—First, Brown, Haverford; second, Trembly, Lehigh.

FLYING RINGS—First, Scott, Lehigh; second, Moore, Lehigh.

TUMBLING—First, Bushnell, Haverford; second, Leonard, Haverford.

The judges of the meet were Dr. H. L. Chadwick and Charles W. Mayser.

Announcer—G. K. Strobe, '08.

Total points—Haverford, 25; Lehigh, 23.

Gymnastic Contest

Pennsylvania vs. Haverford

March 16, 1906

Results:

HORIZONTAL BAR—First, Krauss, Pennsylvania; second, Bushnell, Haverford.

SIDE HORSE—First, Boyce, Pennsylvania; second, Lawton, Pennsylvania.

CLUBS—First, Shoemaker, Haverford; second, Bradford, Pennsylvania.

PARALLEL BARS—First, Krauss, Pennsylvania; second, Brown, Haverford.

FLYING RINGS—Tie, Edwards, Haverford, and Bradford, Pennsylvania.

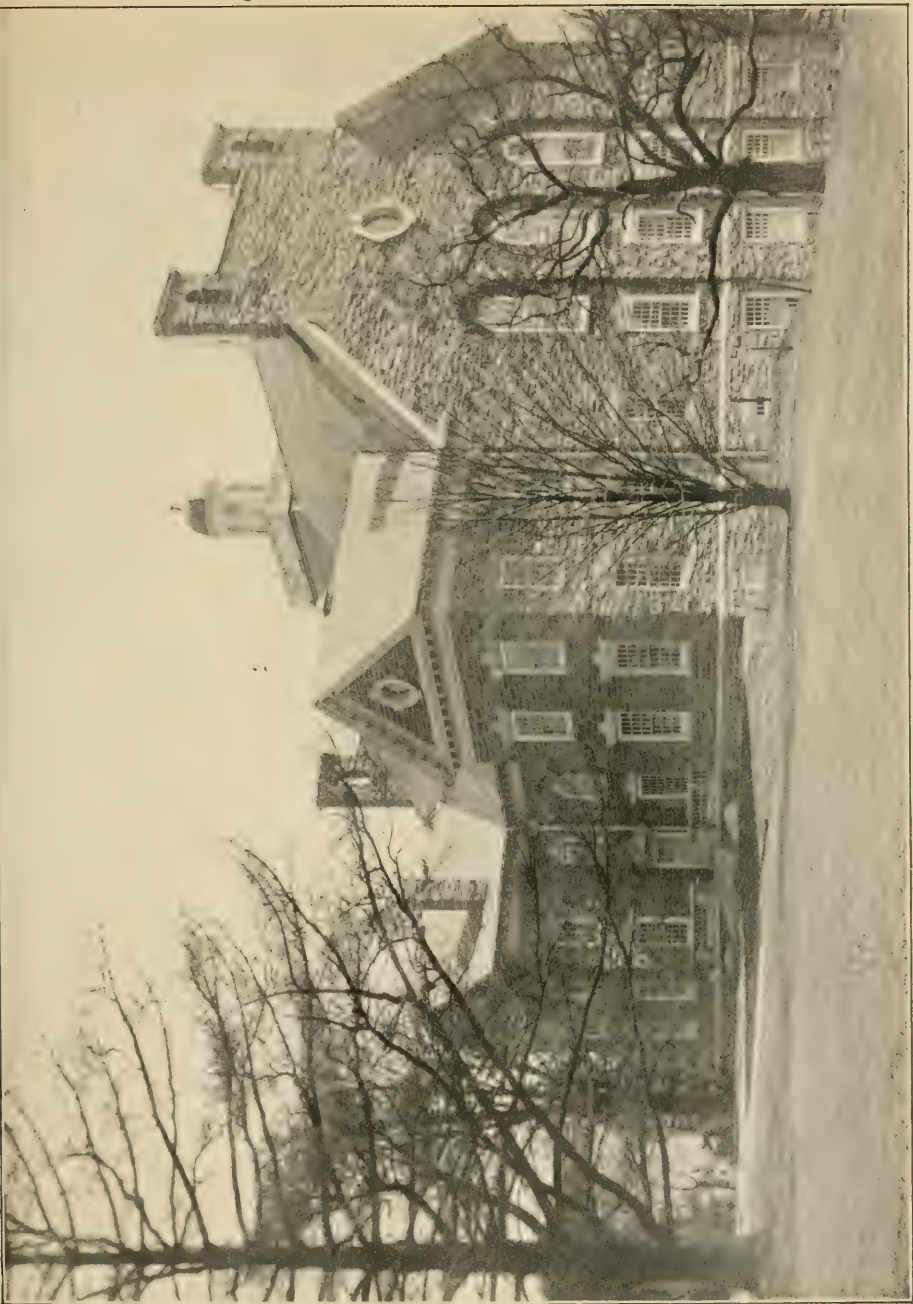
TUMBLING—First, Bushnell, Haverford; second, Leonard, Haverford.

Total points—Pennsylvania, 25; Haverford, 23.



Gymnasium Records

Running High Jump....	E. B. Conklin, '99.....	5 ft. 9 $\frac{1}{8}$ in.
Spring-Board Jump....	W. B. Rodney, '97	7 ft. 2 in.
Horizontal Bar Jump...	F. B. Jacobs, '97	8 ft. 3 in.
Fence Vault	A. R. Yearsley, 1901.....	6 ft. 6 in.
High Kick	J. W. Reeder, 1902.....	9 ft. 6 in.
Putting Shot	W. W. Hall, 1902	38 ft. 5 in.
R. Hop, Skip and Jump.	J. W. Reeder, 1902.....	37 ft. 9 in.
Standing Broad Jump...	W. V. Dennis, 1902.....	10 ft. $\frac{1}{2}$ in.
Standing High Jump....	W. V. Dennis, 1902.....	4 ft. 6 in.
Chest Pull-up	F. N. Vail, '89	37
Chest Dip	F. N. Vail, '89.....	44
High Jump	E. B. Conklin, '99.....	5 ft. 9 $\frac{1}{8}$ in.
High Dive	H. H. Jenks, 1900.....	5 ft. 5 in.



Annual Interscholastic Gymnastic and Athletic Meeting

The Sixth Annual Interscholastic Indoor Athletic and Gymnastic Meeting was held in the Haverford College Gymnasium on the evening of February 16, 1907. There were one hundred and twenty-two entries, representing sixteen schools in Philadelphia and its vicinity.

The summary is as follows:

220-YARD DASH—Won by Hough, George School; no time taken; second, Hobson, Central High School; third, Allen, St. Luke's.

HIGH JUMP—Won by Burdick, Penn Charter; height, 5 feet 4 inches; second, tie at 5 feet 3 inches, among Lane, Central High; Lenny, De Lancey; Cantrell, Penn Charter.

HORIZONTAL BAR—Won by Fisher, Episcopal; second, Douglass, Lawrenceville; third, Graham, Episcopal.

SHOT-PUT—Won by Guetter, Penn Charter, 41 feet 4 inches; second, Szlupas, Central High, 38 feet 6½ inches; third, White, Lawrenceville, 38 feet.

PARALLEL BARS—Won by Fennessey, Lawrenceville; second, Leonards, Central High; third, Coyle, Lawrenceville.

CLUB SWINGING—Won by Lewis, Episcopal; second, Leonards, Central High; third, tie between Ross, of Haverford, and Bunn, of Lawrenceville.

TUMBLING—Won by Woll, of Central High; second, Meade, of Episcopal; third, Stauffer, of Episcopal.

FLYING RINGS—Won by Erben, Episcopal; second, Leonards, Central High; third, Fritz, of Haverford.

SIDE HORSE—Won by Coyle, Lawrenceville; second, Leonards, Central High; third, Lewis, Episcopal.

20-YARD DASH—Won by French, of Haverford; second, Christine, Penn Charter; third, Lenhart, Brown Prep.

The officials of the Meet were as follows: Judges, Dr. J. A. Babbitt, Chairman—Gymnastic: Dr. J. Leonard Mason, Dr. H. L. Chadwick, Dr. H. H. Jenks, Mr. E. C. Rossmassler, Mr. J. Bushnell, 3d; Athletic: Mr. H. Norman Thorn, Mr. J. D. Philips, Mr. H. W. Doughten, Jr., Mr. H. Pleasants, Jr., Mr. E. C. Tatnall. Manager—W. R. Rossmassler. Marshals—H. M. March, Chief Marshal; F. D. Godley, S. J. Gummere, E. R. Tatnall, W. R. Shoemaker, W. Sargent, Jr., J. B. Clement, Jr., A. DeG. Warnock, M. K. Spiers. Announcer—G. K. Strode. Clerk of Course—C. K. Drinker.



Sophomore-Freshman Athletic Contest

October 15, 1906

These sports were won by the Freshman Class, with score of 44 to 27 points.

100-YARD DASH—First, Frost, '10; second, Roberts, '10; third, Palmer, '10. Time, 11 1-5 seconds.

HALF-MILE RUN—First, Langsdorf, '10; second, Baker, '10; third, Thompson, '09. Time, 2 minutes 10 3-5 seconds.

220-YARD DASH—First, Roberts, '10; second, Palmer, '10; third, Warnock, '09. Time, 26 seconds.

SHOT-PUT—First, Ramsey, '09; second, Green, '09; third, Schultz, '10. Distance, 32 feet 3 inches.

120-YARD HURDLES—First, Bard, '09; second, Cary, '10. Time, 19 4-5 seconds.

HIGH JUMP—First, Judkins, '10; second, Spiers, '09; third, Bard, '09. Height, 4 ft. 11 inches.

440-YARD DASH—First, Langsdorf, '10; second, Warnock, '09; third, Mott, '09. Time, 54 1-5 seconds.

BROAD JUMP—First, Langsdorf, '10; second, Bard, '09; third, Spiers, '09. Distance, 18 feet 5½ inches.

Holder of the Walton Prize Cup

<i>Year.</i>	<i>Name.</i>	<i>Class.</i>	<i>Points.</i>
1901.....	J. W. Reeder	1902.....	23
1902.....	J. W. Reeder	1902.....	53½
1903.....	T. K. Brown, Jr.	1906.....	42
1904.....	T. K. Brown, Jr.	1906.....	45
1905.....	T. K. Brown, Jr.	1906.....	58½
1906.....	T. K. Brown, Jr.	1906.....	77

The Nineteenth Annual Interclass Spring Athletic Meeting

Won by 1910

Summary:

100-YARD DASH—First, Palmer, '10; second, Wilson, '10; third, Magill, '07. Time, 10 2-5 seconds.

220-YARD DASH—First, Palmer, '10; second, Langsdorf, '10; third, Magill, '07. Time, 23 2-5 seconds.

QUARTER-MILE—First, Langsdorf, '10; second, Palmer, '10; third, Roberts, '10. Time, 53 3-5 seconds.

HALF-MILE—First, Langsdorf, '10; second, Roberts, '10; third, Hill, '08. Time, 2 minutes 10 seconds.

MILE—First, Williams, '09; second, Morris, '10; third, Hill, '08. Time, 5 minutes 3 seconds.

TWO-MILE—First, Baker, '10; second, Williams, '09; third, Morris, '10. Time, 11 minutes 2 seconds.

220 HURDLES—First, Shultz, '10; second, Palmer, '10; third, Bushnell, '08. Time, 30 1-5 seconds.

120 HURDLES—First, Bushnell, '08, and Bard, '09; third, Carey, '10. Time, 18 seconds.

HIGH JUMP—First, Carey, '10; second, Bard, '09; third, Froelicher, '10. Height, 5 feet 13¼ inches.

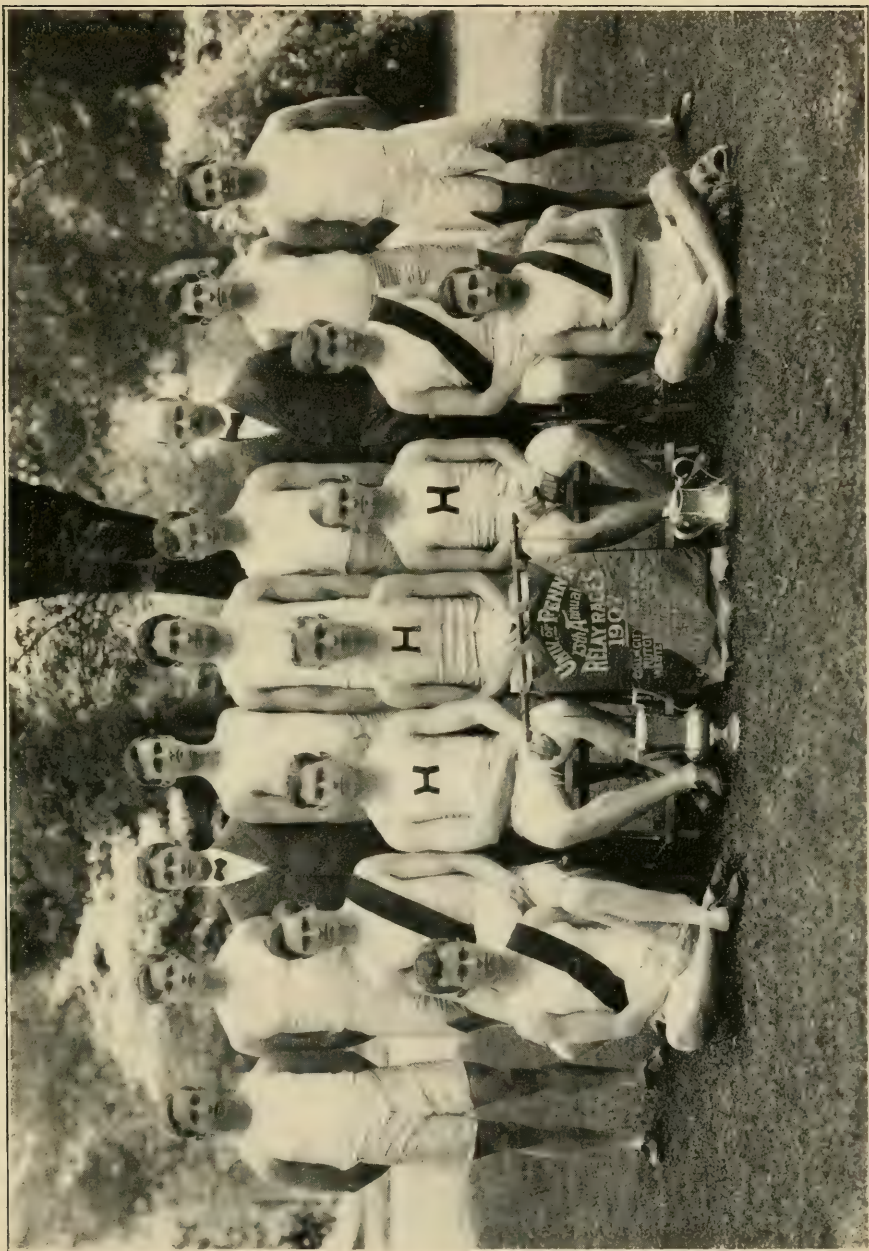
BROAD JUMP—First, Bard, '09; second, Shultz, '10; third, Frutchey, '10. Length, 19 feet 10¾ inches.

POLE VAULT—First, Leonard, '08; Bard, '09; third, Bushnell, '08. Height, 10 feet ½ inch.

SHOT-PUT—First, Birdsall, '07; second, Jones, '07; third, Shultz, '10. Distance, 34 feet 1½ inches.

DISCUS THROW—First, Shultz; second, Jones; third, Wood. Distance, 90 feet 11 inches.

Score of Interclass Track Sports: 1907, 14 points; 1908, 12 points; 1909, 24 points; 1910, 67 points.



HAVERFORD COLLEGE TRACK TEAM, 1906-7.

Haverford-Wesleyan Track Meet**May 4, 1907**

120-YARD HURDLES—Won by Bacon, Wesleyan; second, Bushnell, 3d, Haverford. Time, 17 seconds.

HALF-MILE RUN—Won by Gray, Wesleyan; second, Langsdorf, Haverford. Time, 2 minutes 7 seconds.

100-YARD DASH—Won by Palmer, Haverford; second, McCormick, Wesleyan. Time, 11 2-5 seconds.

TWO-MILE RUN—Won by Williams, Haverford; second, Morris, Haverford. Time, 11 minutes 3 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, McCormick, Wesleyan. Time, 24 seconds.

220-YARD HURDLES—Won by Kent, Wesleyan; second, Schultz, Haverford. Time, 28 3-5 seconds.

ONE-MILE RUN—Won by Baker, Haverford; second, Tatnall, Haverford. Time, 4 minutes 54 seconds.

440-YARD DASH—Won by Palmer, Haverford; second, Bacon, Wesleyan. Time, 52 3-5 seconds.

HIGH JUMP—Won by Bard, Haverford; second, tie between Kent, Wesleyan, and Carey, Haverford. Height, 5 feet 1½ inches.

POLE VAULT—Won by Leonard, Haverford; second, Bushnell, Haverford. Height, 10 feet 4 inches.

BROAD JUMP—Won by Finley, Wesleyan; second, Kent, Wesleyan. Distance, 20 feet 2½ inches.

DISCUS THROW—Won by Jones, Haverford; second, Woodhead, Wesleyan. Distance, 96 feet 2 inches.

SHOT PUT—Won by Jones, Haverford; second, Birdsall, Haverford. Distance, 36 feet 1 inch.

HAMMER THROW—Won by North, Wesleyan; second, Jones, Haverford. Distance, 115 feet 11 inches.

POINTS—Haverford, 70½; Wesleyan, 41½.

Track Team, 1907

E. C. TATNALL, '07—*Captain*

J. C. BIRDSALL, '07

E. F. JONES, '07

J. BUSHNELL, 3D, '08

A. C. LEONARD, '08

G. BARD, '09

F. M. RAMSEY, '09

L. G. WILLIAMS, '09

P. J. BAKER, '10

D. CARY, '10

J. M. LANGSDORF, '10

R. H. MORRIS, '10

W. PALMER, '10

A. S. ROBERTS, '10

W. D. SCHULTZ, '10

E. R. TATNALL—*Manager*

Relay Carnival, Franklin Field

April 27, 1907

Team

PALMER, '10

ROBERTS, '10

BAKER, '10

LANGSDORF, '10

Substitutes,

WARNOCK, '09

TATNALL, '07—*Captain*

Won first place in one-mile relay. Time, 3 minutes 33 seconds.

Colleges Represented.

RUTGERS

COLLEGE OF CITY OF NEW YORK

WESTERN MARYLAND COLLEGE

LEHIGH

DICKINSON

CARLISLE

In the Intercollegiate Contest, Baker, 1910, won fifth place in the Mile Run. Time, 4.23.

Athletic Contest

Haverford vs. Lehigh

May 8, 1907

ONE-MILE RUN—Won by Baker, Haverford; second, McQueen, Lehigh. Time, 4 minutes 35 seconds.

440-YARD DASH—Won by Palmer, Haverford; second, Langsdorf, Haverford. Time, 54 seconds.

120-YARD HURDLES—Won by Aman, Lehigh; second, Bard, Haverford. Time, 16 4-5 seconds.

100-YARD DASH—Won by Palmer, Haverford; second, McNally, Lehigh. Time, 10 2-5 seconds.

TWO-MILE RUN—Won by Morris, Haverford; second, Williams, Haverford. Time, 10 minutes 48 seconds.

HALF-MILE RUN—Won by Langsdorf, Haverford; second, Smith, Lehigh. Time, 2 minutes 6 seconds.

220-YARD HURDLES—Won by Aman, Lehigh; second, Shultz, Haverford. Time, 29 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, McNally, Lehigh. Time, 23 2-5 seconds.

HIGH JUMP—Won by Reiley, Lehigh; second, Bard, Haverford. Height, 5 feet 4½ inches.

POLE VAULT—Won by Leonard, Haverford; second, Bushnell, Haverford. Height, 10 feet 2 inches.

BROAD JUMP—Won by Desh, Lehigh; second, ———, Lehigh. Distance, 20 feet 8 inches.

SHOT PUT—Won by Sheridan, Lehigh; second, Jones, Haverford. Distance, 38 feet 1 inch.

HAMMER THROW—Won by Jones, Haverford; second, Ramsey, Haverford. Distance, 98 feet 8 inches.

SCORE—Haverford, 64; Lehigh, 40.



<i>Event.</i>	<i>Made by</i>	<i>Time or Dist.</i>	<i>Date.</i>
100-Yard Dash	W. W. Hall, '02.....	10 2-5 sec..	1899
	E. Y. Brown, Jr., '01..	10 2-5 sec..	1900
	W. Palmer, '10	10 2-5 sec..	1907
220-Yard Dash	W. W. Hall, '02.....	23 sec..	1899
	W. Palmer, '10.....	23 sec..	1907
440-Yard Dash	W. Palmer, '10.....	52 3-5 sec..	1907
Half-mile Run	E. C. Tatnall, '07..	2 m. 3 4-5 sec..	1905
Mile Run	P. J. Baker, '10....	4 m. 35 sec..	1907
Two-mile Run	W. K. Miller, '06..	10 m. 22 sec..	1906
120-Yard Hurdles	T. K. Brown, Jr., '06.	15 4-5 sec..	1905
220-Yard Hurdles	J. W. Reeder, '02.....	27 sec..	1902
Running Broad Jump	T. K. Brown, Jr., '06.	21 ft. 2½ in..	1905
Running High Jump.....	E. B. Conklin, '99....	6 ft. 1 in..	1899
Putting 16-lb. Shot.....	W. W. Hall, '02....	37 ft. 8 in..	1899
Throwing 16-lb. Hammer..	H. W. Jones, '05....	123 ft. 6 in..	1905
Throwing Discus	E. F. Jones, '07....	99 ft. 5 in..	1906
Pole Vault	G. S. Bard	10 ft. 6½ in..	1907



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.

Intercollegiate Games, I. C. A. A. A. A.**Haverford Points**

E. B. Conklin, '99—Tied fourth place, Running High Jump, 1899— $\frac{1}{2}$ point.

E. C. Tatnall, '07—Third place, Mile Run, 1904—2 points.

T. K. Brown, Jr., '06—Fourth place, 120-yd. Hurdles, 1905—1 point.

Haverford vs. New York University

May 18, 1907

120-YARD HURDLES—First, Sullivan, N. Y. U.; second, J. Bushnell, 3d, Haverford. Time, 16 4-5 seconds.

880-YARD DASH—First, Roberts, Haverford; second, Langsdorf, Haverford. Time, 2 minutes 8 seconds.

100-YARD DASH—First, Sullivan, N. Y. U.; second, Palmer, Haverford. Time, 10 1-5 seconds.

MILE RUN—First, Baker, Haverford; second, Davenport, N. Y. U. Time, 4 minutes 47 seconds.

220-YARD HURDLES—First, Johnson, N. Y. U.; second, Brown, N. Y. U. Time, 28 1-5 seconds.

220-YARD DASH—First, Palmer, Haverford; second, Sullivan, N. Y. U. Time, 23 seconds.

TWO-MILE RUN—First, Williams, Haverford; second, Smith, N. Y. U. Time, 10 minutes 53 seconds.

440-YARD DASH—First, Langsdorf, Haverford; second, Palmer, Haverford. Time, 52 4-5 seconds.

HIGH JUMP—First, Perry, N. Y. U.; second, Bard, Haverford. Height, 5 feet 5 inches.

SHOT PUT—First, Jones, Haverford; second, Swartz, N. Y. U. Distance, 35 feet 7 inches.

DISCUS THROW—First, Sullivan, N. Y. U.; second, Jones, Haverford. Distance, 100 feet 5 inches.

POLE VAULT—First, Bard, Haverford; second, Leonard, Haverford. Height, 10 feet 6 $\frac{1}{2}$ inches.

HAMMER THROW—First, Jones, Haverford; second, Brown, N. Y. U. Distance, 121 feet 1 inch.

BROAD JUMP—First, Butler, N. Y. U.; second, Jones, Haverford. Distance, 20 feet 5 $\frac{1}{2}$ inches.

POINTS SCORED—Haverford, 64; N. Y. U., 48.

The Tennis Season

The Fall Tennis Tournament—Finals, Miller, '08; Evans, '07.

Fall Intercollegiate Meet

First Round.

Linen, Williams, defeated P. Brown, Haverford, 6-4, 6-1.

Abbott, Williams, defeated Bartley, Haverford, 6-0, 6-1.

Miller, Haverford, defeated Columbia entry by default.

Drennen, Cornell, defeated A. E. Brown, Haverford, 3-6, 6-2, 7-5.

Second Round.

Register, U of P., defeated Miller, Haverford, 6-4, 6-1.

Spring Intercollegiate Meet

Singles.

P. Brown, Haverford, defeated Beamsderfer, Franklin and Marshall, 6-4, 4-6, 6-2.

Baily, Haverford, defeated Schaeffer, Franklin and Marshall, 4-6, 6-3, 6-1.

Doubles.

Beamsderfer and Watt, Franklin and Marshall, defeated Rossmassler and Baily, Haverford, 6-0, 3-6, 7-5, 6-2.

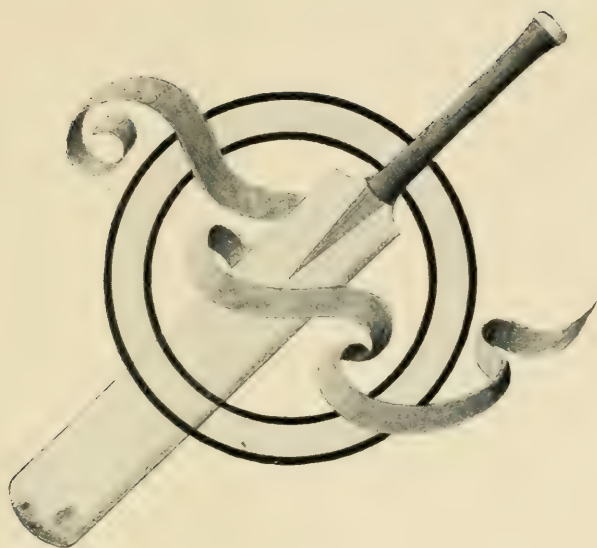
Singles.

A. E. Brown, Haverford, defeated Deitrick, Swarthmore, 6-3, 7-9, 6-3.

Miller, Haverford, defeated Wetter, Swarthmore, 3-6, 9-7, 6-2.

Doubles.

Evans and Baily, Haverford, defeated Wetter and Deitrich, Swarthmore, 6-3, 9-7, 6-0.



Cricket Department

A. E. BROWN, '07, *Chairman*

E. A. EDWARDS, '08, *Vice-Chairman*

C. K. DRINKER, '08, *Asst. Mgr. and Sec.*

F. D. GODLEY, '07, *Captain*

J. W. NICHOLSON, JR., '07, *Manager*

Ground Committee

A. E. BROWN, '07

J. P. MAGILL, '07

F. D. GODLEY, '07

J. B. CLEMENT, '08

C. K. DRINKER, '08

First Eleven

F. D. Godley (Capt.), '07

J. B. Clement, '08

J. P. Magill, '07

A. E. Edwards, '08

H. Evans, '07

T. K. Sharpless, '09

A. E. Brown, '07

C. T. Brown, '08

S. J. Gummer, '07

H. Furness, '10

W. H. Haines, '07

A. W. Hutton, '10

Second Eleven

P. W. Brown (Capt.), '07

C. K. Drinker, '08

J. W. Nicholson, '07

F. Myers, '09

E. Wright, '08

N. Brey, '09

C. F. Scott, '08

T. K. Lewis, '09

J. C. Thomas, '08

S. Mason, '10

F. C. Bailey, '08

E. Cadbury, '10

Third Eleven

A. B. Morton, (Capt.), '07

A. J. Hill, '09

J. Pennypacker, '09

G. H. Deacon, '09

R. A. Spaeth, '09

W. Judkins, '10

F. R. Taylor, '09

G. Kerbaugh, '10

J. W. Stokes, '09

E. W. David, '10

C. S. Ristine, '09

C. A. Haines, '10

Published Cricket Schedule, 1907

First Eleven

- Saturday, April 27—Frankford at Haverford.
 Saturday, May 4—Philadelphia at Haverford.
 Saturday, May 11—Germantown at Manheim.
 Saturday, May 18—Moorestown at Haverford.
 Wednesday, May 22—Next XV at Haverford.
 Saturday, May 25—Harvard at Cambridge.
 Tuesday, May 28—Pennsylvania at Manheim.
 Thursday, May 30—Cornell at Haverford.
 Saturday, June 1—All-Scholastic at Haverford.
 Saturday, June 8—Alumni at Haverford.
 Friday, June 14—Alumni *vs.* Alumni at Haverford.

Second Eleven

- Saturday, April 27—Frankford at Frankford.
 Saturday, May 4—Philadelphia at St. Martin's.
 Saturday, May 11—Germantown at Haverford.
 Wednesday, May 22—First XI at Haverford.
 Saturday, May 25—Pennsylvania 2d at Haverford.
 Saturday, June 1—Radnor at Wayne.
 Wednesday, June 5—Merion at Merion C. C.
 Saturday, June 8—Haddonfield at Haddonfield.

Third Eleven

- Monday, April 22—Haverford School at Haverford.
 Friday, April 26—Central High at Haverford.
 Tuesday, May 14—Merion Juniors at Merion C. C.
 Saturday, May 18—Penn Charter at Haverford.
 Saturday, May 25—Haddonfield at Haddonfield.
 Saturday, June 1—Radnor High at Haverford.
 Saturday, June 8—Belmont Juniors at Haverford.

Class Games

- April 24—1909 *vs.* 1910
 April 29, 30—1907 *vs.* 1908.
 May 14, 15—Winners play for Championship.



Haverford College Cricket Team, 1906-7.

Cricket Prizes for 1906

First Eleven

Colours to J. D. PHILLIPS, '06; J. P. MAGILL, '07.

Cope Prize Bat for best average, to A. T. LOWRY, '06; average, 25.8.

Congdon Prize Ball for best bowling average, to F. D. GODLEY, '07; average, 8.47.

Haines Prize Fielding Belt, to H. W. DOUGHTEN, JR., '06.

Second Eleven

Class of '85 Prize Bat, to S. G. SPAETH, P. G.

Class of '85 Prize Ball, to W. H. HAINES, '07.

Class of '85 Prize Fielding Belt, to P. W. BROWN, '07.

Other Prizes

Improvement Bat, to J. B. CLEMENT, '08.

Shakespeare Bat, to the Freshman with the highest average in Interclass matches, R. N. BREY, '09.

C. R. Hinchman Prize Bat, for highest average in Intercollegiate matches, to H. W. DOUGHTEN, JR., '06; average, 66.

Christian Febiger Prize Ball, for best average in Intercollegiate matches, to H. PLEASANTS, JR., '06; average, 10.28.

Prize Bat, awarded to best Freshman batsman, T. K. SHARPLESS, '09.

Prize Ball, awarded to best Freshman bowler, T. K. LEWIS, '09.

Prize Cup, to best all-round Freshman, F. A. MYERS, JR., '09.

Class of '85 Prize Ball, for Interclass Championship, Class of 1907.

Record of Cricket Matches, 1907

First Eleven

April 27	Haverford (8 wickets).....	57
	Frankford H. C.	80
May 11	Haverford	63
	Germantown H. C.	113
May 18	Haverford (4 wickets).....	76
	Moorestown H. C.	152
May 22	Haverford	181
	Next Fifteen	91
May 25	Haverford	
	Harvard	
May 28	Haverford	104
	Pennsylvania (8 wickets)	171
May 30	Haverford	244
	Cornell	58
June 1	Haverford	69
	All-Scholastic	59
June 8	Haverford (8 wickets).....	180
	Alumni	106

1907 were Interclass Champions, defeating 1910 by 248 for 6 wickets to 54.

Second Eleven

April 27	Haverford	139
	Frankford P. C.	54
May 11	Haverford	87
	Germantown	67
May 22	Haverford (15 men)	91
	First Eleven	181

Other games canceled or called off on account of rain.

Third Eleven

April 22	Haverford	66
	Haverford School	42
April 26	Haverford	87
	Central High (6 wickets)	31
May 18	Haverford	42
	Penn Charter	19

Other games canceled.

Intercollegiate Series

Haverford vs. University of Pennsylvania

Haverford

F. D. Godley, b. Hordern	0
H. Furness, b. Goodfellow	11
J. P. Magill, c. Morris, b. Hordern.....	4
S. J. Gummere, b. Keenan	24
E. A. Edwards, b. Keenan	7
C. T. Brown, c. and b. Keenan	3
W. H. Haines, b. Keenan	2
H. Evans, b. Hordern	2
A. Hutton, not out.....	26
J. B. Clement, b. Keenan	0
A. E. Brown, b. Keenan	11
Extras	14

 104

Bowling Analysis.

	B.	M.	R.	W.
Hordern	126	2	53	3
Goodfellow	60	4	16	1
Keenan	64	3	24	6

Pennsylvania

H. H. Morris, b. Clement	47
C. M. Graham, b. A. E. Brown	26
W. F. Keenan, Jr., c. Godley, b. Clement.....	17
D. Graham, b. Godley	11
W. S. Evans, b. Clement	4
L. Lec, not out	19
A. N. Goodfellow, b. A. E. Brown	21
R. Lec, run out	11
F. W. Baker, c. Haines, b. Godley.....	4
H. V. Hordern, not out.....	2
N. S. Hales, did not bat.	
Extras	0

 Total (8 wickets) 171

Bowling Analysis.

	B.	M.	R.	W.
A. E. Brown	84	1	40	2
Godley	120	4	45	2
Clement	90	3	54	3
Furness	18	0	15	0

Cornell vs. Haverford**Cornell**

Paul, l. b. w.	4
Flint, b. Clement	4
MacPhersons, c. Hutton, Brown	7
Lex, b. Clement.....	3
Wright, b. Clement	7
Hastings, O. B., b. Clement	9
Wilson, b. Clement	1
Hastings, A. C., b. Clement	4
Van Blyvelt, not out	2
Monroe, run out	0
McCormick, b. Godley	3
Extras	14
Total	58

Bowling Analysis.

	B.	W.	R.
Brown, A. E.	66	1	12
Godley	82	2	17
Clement	72	6	15

Haverford

Godley, c. and b. Macphersons.....	21
Furness, c. and b. Paul	10
Magill, c. Flint, Paul	0
Gummere, b. Wilson	31
Hutton, l. b. w. Paul.....	41
Edwards, c. Paul, Macphersons	11
Brown, C., c. and b. Macphersons	76
Nicholson, c. Monroe, Hastings	46
Mason, bowled Hastings	0
Clement, c. Macphersons, Hastings	0
Brown, A. E., not out	1
Extras	7
Total	244

Bowling Analysis.

	B.	W.	R.
Paul	66	3	40
Wright	66	0	51
Wilson	54	1	53
Macphersons	108	3	73
Hastings	28	3	14

Regulations for the Wearing of College Emblems

The following is the report of the committee authorized by the Athletic Association on December 6, 1904, to collect the regulations governing the awarding of the college and class emblems as revised to date—February 16, 1905:

FIRST. All committees for awarding college emblems shall be held responsible to the Athletic Association.

SECOND. The cricket colors shall consist of the cricket sweater, the scarlet and black striped blazer and cap, and the scarlet and black sash. The cricket sweater shall be white, with low neck and a lower waistband of scarlet and black, one and one-half ($1\frac{1}{2}$) inches wide, and shall have on the breast a scarlet Cricket H. Cricket H shall be a block letter H four and a half ($4\frac{1}{2}$) inches across the top and five (5) inches in height.

The cricket colors shall be worn by the members of the first eleven of any year, when such members are formally given their colors by the Ground Committee of the Cricket Club.

THIRD. The foot ball colors shall be awarded after the last game of each season by the captain, manager and chairman of the foot ball department. These men may select any number up to fourteen players, including the captain, who shall be entitled to wear the foot ball H.

The foot ball sweater shall be red, with black neck, wristlets, and waistband. The foot ball H shall be a black block letter H six (6) inches across the top and seven and a half ($7\frac{1}{2}$) inches in height. The wristlets and waistband shall each be three and one-half ($3\frac{1}{2}$) inches in width.

The foot ball jersey shall be as follows: A black body with striped sleeves, a scarlet neck, and a scarlet waistband. The stripes, one (1) inch in width, shall be alternate scarlet and black. The H shall be a scarlet block letter four and one-half ($4\frac{1}{2}$) inches in width and five (5) inches in height.

The foot ball cap shall be a plain black cap, with scarlet H. F. B. T. The men who have been awarded the foot ball emblem shall have the option of receiving either the sweater or the jersey and cap.

Men who are not entitled to wear the foot ball emblem shall not appear with the foot ball H on any sweater, nor shall they wear the scarlet and black striped stockings, foot ball jerseys or caps, except upon the foot ball field.

FOURTH. The track emblems shall be awarded by the captain, manager and chairman of the track department, and shall be worn only by men winning a point in the intercollegiate scratch contest, except in dual meets, when the winners of first place only shall receive the track H.

The track uniform shall consist of a white sleeveless jersey with a black bar letter H on the breast. (This H shall be three (3) inches wide and three and five-eighths ($3\frac{5}{8}$) inches in height); white running trousers, with red and black ribbon stripes down the sides, and the track sweater, which shall be a plain cardinal red sweater with the track H on the breast. The track H shall be five and a half ($5\frac{1}{2}$) inches in width by six and a half ($6\frac{1}{2}$) inches in height, and shall be a block bar letter.

FIFTH. The gymnasium emblem shall be awarded by the captain, manager and chairman of the gymnasium department, who shall determine the number of men to receive these emblems. The gymnasium uniform shall consist of a red sleeveless jersey, black tights, black *leotod* and black gym. shoes. The emblem on the jersey shall be a monogram, consisting of a black H ($4\frac{1}{2}$ inches in height and $4\frac{1}{2}$ inches wide), a black C ($3\frac{1}{4}$ inches in height and $2\frac{1}{4}$ inches wide), and a black G (of the same dimensions as the C). The C shall be placed upon the upper right hand section of the H and the G upon the lower left hand section. The design shall conform to that of previous years. The gym. sweater shall be black throughout. The emblem shall conform with the monogram of the gym. jersey. The letters shall be scarlet and of the same dimensions as those on the jersey. The gymnasium H shall be awarded to not more than two (2) men. The H shall be scarlet on a black sweater and

shall be of the same design and dimensions ($4\frac{1}{2}$ inches high by $4\frac{1}{2}$ inches wide) as the H in the monogram on the gymnasium sweater.

SIXTH. The scrub foot ball sweater shall be awarded at the end of each foot ball season to those men who, in the opinion of the Varsity captain, manager and chairman of the foot ball department, have done the best work throughout the season. The number of sweaters shall not exceed eleven.

The sweater shall be of a black body of striped alternate scarlet and black neck and wristlets. The stripes shall be one-half ($\frac{1}{2}$) inch in width and the wristlets four (4) inches in width. The monogram shall consist of a scarlet H seven (7) inches in height by six (6) inches in width. A scarlet Arabic numeral "2" two (2) inches by one and one-half ($1\frac{1}{2}$) inches and a scarlet Roman numeral eleven (XI) of the same relative dimensions. The Arabic numeral "two" shall be placed within the H above the cross-bar and the Roman numeral "eleven" below the cross-bar.

SEVENTH. The managers of the various teams may wear the sweaters and jerseys of their respective teams without the emblems.

EIGHTH. No person shall be entitled to wear any of the emblems, uniforms, or parts of uniforms, above mentioned, until that person shall have been authorized to do so by the committees having charge of the awarding of the same.

NINTH. Class Colors.—Numerals on class sweaters are awarded to not more than eleven men on any class foot ball or cricket team as selected by the captain, manager and chairman of the respective departments; to a man winning one first or two seconds in the Sophomore-Freshman sports, or five (5) points in the spring track meet, or to the winner of the tennis tournament in singles.

The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890. for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

1. The athletic events accepted shall be those of the annual inter-class athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)

2. Points shall count as follows:

INTER-CLASS ATHLETIC MEETING—Five, three and one for first, second and third places, respectively.

SOPHOMORE-FRESHMAN SPORTS—Three, two and one for first, second and third places.

DUAL COLLEGE MEETS—Five, three and one for first, second and third places, respectively.

PENNSYLVANIA RELAY CARNIVAL—Five or three points for each member of the team winning first or second place.

PRINCETON HANDICAP MEETING—Ten, six and two for first, second and third places.

I. C. A. A. A. A. MEETING—Twenty, fifteen, ten and five points for first, second, third and fourth places, respectively.

3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.

4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.

5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.

6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.



Cope Prize Bat

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877	E. T. COMFORT.....	'78.....	18.83
1878	E. T. COMFORT.....	'78.....	10.03
1879	SAMUEL MASON	'80.....	14.
1880	SAMUEL MASON	'80.....	17.57
1881	T. N. WINSLOW	'81.....	12.5
1882	G. B. SHOEMAKER	'83.....	9.6
1883	W. F. PRICE	'81.....	11.88
1884	SAMUEL BETTLE	'85.....	17.25
1885	SAMUEL BETTLE	'85.....	23.
1886	G. S. PATTERSON	'88.....	32.8
1887	A. G. GARRETT	'87.....	35.66
1888	T. E. HILLES	'88.....	9.6
1889	R. L. MARTIN	'92.....	13.
1890	C. H. BURR, JR.	'80.....	19.14
1891	J. W. MUIR	'92.....	38.5
1892	J. W. MUIR	'92.....	26.25
1893	J. A. LESTER	'96.....	100.5
1894	J. A. LESTER	'96.....	62.2
1895	J. A. LESTER	'96.....	49.83
1896	J. A. LESTER	'96.....	41.1
1897	C. G. TATNALL	'97.....	9.85
1898	T. WISTAR	'98.....	21.75
1899	F. C. SHARPLESS	1900.....	26.
1900	F. C. SHARPLESS	1900.....	37.
1901	C. C. MORRIS	1904.....	21.80
1902	C. C. MORRIS	1904.....	35.20
1903	C. C. MORRIS	1904.....	50.56
1904	W. P. BONBRIGHT	1904.....	31.29
1905	R. L. PEARSON	1905.....	37.
1906	A. T. LOWRY	1906.....	25.8

Congdon Prize Ball

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877—	J. M. W. THOMAS	'78.....	1.11
1878—	E. T. COMFORT	'78.....	6.47
1879—	W. C. LOWRY	'79.....	5.81
1880—	B. V. THOMAS	'83.....	5.78
1881—	W. L. BAILY	'83.....	5.31
1882—	A. C. CRAIG	'84.....	4.30
1883—	W. L. BAILY	'83.....	8.00
1885—	W. F. HILLES	'85.....	4.50
1886—	A. C. GARRETT	'87.....	8.25
1887—	J. W. SHARP, JR.	'88.....	7.86
1888—	H. P. BAILY	'90.....	5.47
1889—	H. P. BAILY	'90.....	5.86
1890—	H. P. BAILY	'90.....	6.50
1891—	D. H. BLAIR	'91.....	17.50
1892—	JOHN ROBERTS	'93.....	7.33
1893—	JOHN ROBERTS	'93.....	7.90
1894—	A. P. MORRIS	'95.....	5.97
1895—	A. P. MORRIS	'95.....	6.46
1896—	J. A. LESTER	'96.....	6.19
1897—	R. S. WENDELL	1900.....	8.25
1898—	L. W. DEMOTTE	1901.....	5.22
1899—	W. S. HINCHMAN	1900.....	9.40
1900—	L. W. DEMOTTE	1901.....	6.00
1901—	L. W. DEMOTTE	1901.....	8.13
1902—	N. A. SCOTT	1902.....	10.92
1903—	H. PLEASANTS, JR.	1906.....	7.49
1904—	F. D. GODLEY ..	1907.....	4.83
1905—	H. PLEASANTS, JR.	1906.....	7.47
1906—	F. D. GODLEY	1907.....	8.47

Haines Prize Fielding Belt

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Year</i>	<i>Name.</i>	<i>Class</i>
1876—	C. S. CROSMAN	'78	1891—	G. THOMAS, 3D.	'91
1877—	A. L. BAILY.	'78	1892—	S. W. MORRIS	'94
1878—	J. E. SHEPPARD. . . .	'79	1893—	W. W. SUPPLEE. . . .	'95
1879—	A. P. CORBITT.	'80	1894—	F. P. RISTINE.	'94
1880—	W. F. PRICE	'81	1895—	J. H. SCATTERGOOD..	'96
1881—	B. V. THOMAS.	'83	1896—	A. G. SCATTERGOOD..	'98
1882—	S. B. SHOEMAKER..	'83	1897—	A. G. SCATTERGOOD..	'98
1883—	W. L. BAILY	'83	1898—	A. G. SCATTERGOOD..	'98
1884—	W. S. HILLES	'85	1899—	W. S. HINCHMAN. .	1900
1885—	W. F. PRICE	'81	1900—	W. V. DENNIS.	1902
1886—	J. W. SHARP, JR. . . .	'88	1901—	C. C. MORRIS.	1904
1887—	H. P. BAILY	'90	1902—	A. C. WOOD, JR. . . .	1902
1888—	C. H. BURR, JR. . . .	'89	1903—	J. B. DRINKER. . . .	1903
1889—	J. S. STOKES	'86	1904—	H. H. MORRIS.	1904
1890—	J. W. MUIR	'90	1905—	A. T. LOWRY.	1906
	1900—			H. W. DOUGHTEN, JR.,	1906.

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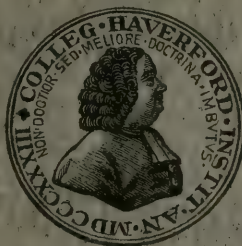
VOL. V

EIGHTH MONTH, 1907

No. 5

Alumni Number

1907



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second Class Matter under Act of Congress of July 16th, 1894

Proceedings
of the
Fifty-first Annual Meeting
of the
Alumni Association
of
Haverford College

Held in Roberts Hall, June 14, 1907

Address to Class of 1907, by
ERNEST W. BROWN, Sc.D., F.R.S.

THE Fifty-first Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 14, 1907. President Frederic H. Strawbridge, '87, called the meeting to order at 6 p. m.

On motion the roll call was omitted, but apparently about one hundred and fifty members were present at the meeting.

Since printed copies of the proceedings of the last annual meeting had been sent to each member, the minutes of that meeting were not read, in accordance with a motion duly carried.

In the regular order of business the following report of the Executive Committee was read and accepted:

To the Alumni Association of Haverford College:

Your Executive Committee respectfully reports that two meetings have been held during the past year for the consideration of the regular business of the Association.

The usual midwinter dinner was held on February 15, 1907, at the Bellevue-Stratford, on which occasion about 250 persons were present, the largest attendance ever known at this Annual Dinner. Excellent speeches were made by President Isaac Sharpless, Dr. Henry S. Drinker, President of Lehigh University; Dr. John Watson (Ian Maclaren), Hon. William A. Glasgow, Jr., Hon. James M. Beck and John C. Winston. A double quartet from the College Glee Club sang several selections, which were much enjoyed. The price charged each member was \$3.50, which was not sufficient to cover all the costs

incident to the dinner, and the deficit was paid partly by a generous alumnus and partly out of the general funds of the Association.

At your last annual meeting there was referred to your Executive Committee an amendment to Article II, Section 2, of your Constitution, suggesting the addition of a clause reading, "If the report of the Nominating Committee is rejected, the Association shall then proceed to elect, by ballot, upon nominations made in open meeting." Your Committee respectfully recommends the adoption of this amendment.

Within the past ten days President Sharpless called together representatives from the last twenty classes to consider the question of the proper celebration in 1908 of the seventy-fifth anniversary of the founding of Haverford College. It was the sense of those present that the Alumni Association should appoint a committee of fifteen persons (with power to add to their number) to co-operate with the Board of Managers and Faculty in making the necessary arrangements for celebrating the aforesaid anniversary.

In accordance with a resolution adopted last year, no oration has been provided for this meeting.

Reports from all Standing Committees have been received and will be read.

The deaths of the following matriculates of Haverford College have been noted by the Secretary during the past year:

- '37 John Howard LewisApril 24, 1907.
- '44 Jesse Tyson November 29, 1906.
- '59 Fowell B. HillApril 11, 1907.

- '70 Oliver G. OwenApril 13, 1907.
 '90 Alfred C. TevisMay 7, 1907.
 '90 William M. Guilford, Jr. .December 20, 1906.

Respectfully submitted,

C. J. RHOADS, *Secretary.*

PHILADELPHIA, Pa., June 14, 1907.

The Committee on Membership presented a report as follows, which was unanimously accepted on motion duly carried, and the gentlemen named therein were thereupon declared admitted to membership in the Association:

To the Alumni Association of Haverford College:

The committee appointed at the last annual meeting to nominate members to the Association report that they have met and agreed upon the following nominations:

Francis A. Herendeen, '87.

W. Marriott Canby, Jr., '91.

James Henry Wood, '93.

Respectfully submitted,

HENRY COPE, '69, *Chairman.*

HAVERFORD, June 14, 1907.

The Treasurer read the following report, which was accepted and ordered spread upon the minutes:

TREASURER'S REPORT.

General Account.

RECEIPTS.

Balance as per account of June 14, 1906	\$217.58
Subscriptions for General Purposes	591.00
Interest on Deposits	2.23

\$810.81

=====

PAYMENTS.

Expenses of Alumni Day, 1906	\$23.00
Dinner at the College, Alumni Day, 1906	425.00
Printing and sending out 1,000 copies of Alumni Number of College Bulletin	80.56
Balance of Prize for Oratory for 1906	46.00
Medal for Prize for Oratory for 1907	4.00
Printing, Stamps, Stationery and Clerical Services	54.10
Deficit on Midwinter Dinner	13.35
Balance	164.80
	<hr/>
	\$810.81
	=====

Midwinter Dinner Account.

RECEIPTS.

250 Subscriptions to Dinner on February 15, 1907, at \$3.50	\$875.00
Additional Subscriptions	3.00
From General Account to cover Deficit	13.35
	<hr/>
	\$891.35
	=====

PAYMENTS.

Bellevue-Stratford Hotel, cost of dinner	\$847.00
Printing, Stationery, Stamps and Incidental Expenses..	44.35
	<hr/>
	\$891.35
	=====

Respectfully submitted,

JONATHAN M. STEERE, *Treasurer.*

Examined and found correct.

OSCAR M. CHASE,
F. ALGERNON EVANS,
Auditors.

PHILADELPHIA, Pa., June 13, 1907.

The election of officers and an Executive Committee being next in order, the Nominating Committee appointed for that purpose presented the following report:

To the Alumni Association of Haverford College:

The Committee of the Alumni Association of Haverford College under appointment to nominate at the annual meeting in June, 1907, officers and an Executive Committee to serve for the official year 1907-08, met in Philadelphia on May 24, 1907, and united in recommending the following nominations:

President—Frederic H. Strawbridge, '87.

Vice-Presidents—Howard Comfort, '70.

Miles White, Jr., '75.

William S. Hilles, '85.

Secretary—Charles J. Rhoads, '93.

Treasurer—Jonathan M. Steere, '90.

Executive Committee—Joseph W. Sharp, Jr., '88.

William Percy Simpson, '90.

Dr. William W. Comfort, '94.

Alfred G. Scattergood, '98.

William W. Justice, Jr., '00.

C. Christopher Morris, '04.

Harold Evans, '07.

On behalf of the Committee,

WILLIAM M. LONGSTRETH, *Chairman*.

S. R. YARNALL, *Secretary*.

On motion duly seconded and carried the report was accepted and the gentlemen named therein were declared

elected to the respective positions for the ensuing year or until their successors are elected.

The following reports from committees were read, accepted and the committees discharged with the thanks of the Association:

REPORT OF COMMITTEE ON ALUMNI ORATORICAL PRIZE.

To the Alumni Association of Haverford College:

The Committee on the Alumni Oratorical Prize respectfully reports:

The Annual Contest in Oratory for the Alumni Prize took place in Roberts Hall on May 24, 1907, at 8 o'clock p. m. Of your Committee there were present Messrs. Edward Y. Hartshorne, Alfred Percival Smith, Jesse E. Philips, Jr., and the Chairman. The judges were Mr. Philip Godley, Mr. Frederic H. Strawbridge and Mr. William H. Futrell. President Sharpless and Dr. Hancock entertained the Judges and Committee at dinner.

There were six orations, as follows:

1. The Cry of the Children,
Richard Arnold Ricks, Jr., '07,
Richmond, Va.
2. The Incarnation of Man.. James Carey Thomas, '08,
Haverford, Pa.
3. The New American Cecil Kent Drinker, '08,
South Bethlehem, Pa.
4. Nature and Civilization. Ira Jacob Dodge, '07,
Akron, Ohio.

5. The Task of the True Reformer,
Joseph Passmore Elkinton, '08,
Media, Pa.
6. The Senator from South Carolina,
Raleigh Cabell Lindsay, '07,
Madison, N. C.

Mr. Godley announced the decision of the Judges, unanimously awarding the prize to Ira Jacob Dodge, with honorable mention to James Carey Thomas.

Notwithstanding what may seem to be formal praise of the work shown in these contests from a regular expression of such praise in these reports each year, your Committee wishes to commend the character of the orations this year most highly. A marked tendency toward the direct and also argumentative presentation of the subject, rather typifying the modern public speaking as against the more declamatory style of the old time oratory, was shown with excellent effect. Professor Hancock reports a very gratifying interest in the class work, the result of which these contests are now showing.

Your Committee is still more or less depressed by the small numbers represented by the audiences on these occasions. Between 90 and 100 persons, including undergraduates, were in Roberts Hall at the contest this year. Prayers and entreaties seem useless. The character of the entertainment afforded seems too far removed from vaudeville to make it attractive to large numbers. These conditions are not peculiar to Haverford, however. They make the character of performance by the contestants the more praiseworthy without the stimulus which a well-filled hall would afford. Your Committee believes that

no previous contest has been marked by a more general excellence than that which is now reported.

On behalf of the Committee,

PARKER S. WILLIAMS, *Chairman.*

PHILADELPHIA, Pa., May 29, 1907.

At the conclusion of the reading of this report the Alumni Oratorical Prize Medal was formally presented to Mr. Ira Jacob Dodge, '07, the winner of this year's contest.

REPORT OF COMMITTEE ON ATHLETICS.

To the Alumni Association of Haverford College:

We have been accused here at Haverford of a lack of self-assertion. This can certainly not be said of our ATHLETICS. We are a small College, but we can be justly proud of our position and of our attainments in all branches of College Sport. Not brazenly, but with becoming modesty and usefulness, we have occupied a position of trust on the Board of the Intercollegiate Football Rules Committee. We introduced the game of "Soccer" into American Colleges; we have repeatedly sent our Cricket team across the sea; our track teams compete successfully with the Colleges of the land, and our Gymnastic Meets are always brilliant and cause much favorable comment. Surely our ATHLETICS are doing their part to make Haverford favorably known, but it is questionable whether we will be able to continue to do all these things and do them well, unless our enrollment

is very much increased. Without this increase, we will not be able to turn out successful Cricket Teams and at the same time supply suitable material for the Track and Field Sports. There is a sentiment, and a strong and righteous sentiment, that Cricket is the College Game, but if we are to maintain our supremacy in this ancient and honorable Game, we must increase the number of students or so legislate that their best efforts may be directed toward the Cricket Field.

The past season on account of the bad weather was disappointing to our Cricketers. Many of the games were canceled on account of the cold and rainy weather. It was an "off year" for us. On the other hand, the University of Pennsylvania, who is this year sending a team to England, was very strong and defeated us. We won easily from Cornell, and Harvard defaulted. The Second Eleven was quite successful and won all their games. J. B. Clement, '08, has been chosen Captain of the First Eleven for next year.

This Committee would strongly urge all old cricketers to make an effort to come out to the matches and encourage the Eleven by their presence. Especially should they do this on the occasion of the Intercollegiate games. It is certainly not asking too much of all those who have played in years past on the College XI to give up this much of their time to encourage the fellows who are working hard to keep Haverford's name where it belongs. We in our day were given this support and we know how much it meant to us. The cricketers of the Alumni must appreciate that the game cannot continue to flourish as of old, if they allow their interest to wane.

The Football games were most enjoyable. The new Rules, in which Haverford took a very prominent part in framing, added much to the game, eliminating most of the bad features of the old rules. Our Team was again ably coached by H. N. Thorn, '04, assisted by Hopkins, '05, and Lowry, '06, and showed great proficiency in mastering the fine points of the new game, and succeeded in going through the season without suffering defeat. Thorn, '04, will again act as head coach next Fall, with Haines, '07, as field coach, and a very good schedule has been announced, with the best games on Walton Field.

Soccer football was again very popular. Three teams were put on the field, and we again won the Intercollegiate Championship, defeating Cornell and Harvard and tying with Columbia and Pennsylvania.

Track and Field Sports have taken a strong hold. Dr. Babbitt and Captain Tatnall are to be congratulated on the successful showing made, due largely to their selection of proper material, and their untiring energy and enthusiasm. Wesleyan, University of New York and Lehigh were defeated. The Relay Team won their race at the Relay Carnival at Franklin Field. Baker, Class of 1910, made a new College record in the mile run, making the time four minutes thirty-five seconds. He was also one of the five men to break the Intercollegiate record for this distance at the Intercollegiate Games held at Cambridge. Bard, Class 1909, set a new College mark in the Pole Vault, going over the bar at 10 feet 6½ inches. Palmer, Class 1910, lowered the College quarter-of-a-mile record, going the distance in 52 3-5 seconds.

He also equalled the record in the 100 yards and 220 yards distance.

The Winter's Gymnasium work was highly creditable. Lehigh was defeated 25 points to 23, but Pennsylvania won by the same score. There was also an exhibition meet with Rutgers, and a quadrangular meet with Pennsylvania, Columbia and Princeton. The Scholastic Meet brought boys from the representative Schools and was witnessed by a large and enthusiastic gathering of fathers, mothers, sisters and friends.

Your Committee has given serious thought to the proposed formation of an endowment fund with which to meet the always harassing expense incidental to the proper support of our College Athletics. Mention was made of this project at the Midwinter Dinner, but it was not immediately followed up because of the larger movement which is now to be entered upon, which it is hoped will take care of the Athletic Endowment as well as the other things so urgently needed by the College.

The remarks of the President of one of our leading Universities, in spite of calling forth perhaps unwarranted ridicule, have given ground for thought and resulting modifications in many of our College Sports. It is unfortunate that the outside, unsympathetic public should find ground for gratifying their gaming instincts in witnessing Intercollegiate contests. The student body themselves must not become morally callous and forgetful of the true aims of Sport, and the contestants must not be called upon to sacrifice all their time, thoughts and efforts in winning mere glory for themselves nor for their Alma Mater. It is right that a team should be composed of

the best men in every particular line of Sport, but the selection of these teams should be made possible by the qualifications shown in the daily enjoyment and practice of the whole student body. Athletic fields should be the playground of all the students and not the gridiron upon which the chosen few are roasted by the jeers and jibes of a crowded amphitheatre,—a public who has paid, and demands its pound of flesh.

Fortunate indeed are we at Haverford! Our fields are open fields and dedicated to true sport, and our efforts are to give every student the opportunity to play our games. We go further, for we receive him ignorant and awkward, and teach him the rudiments of our games and rejoice to see him grow strong and agile, and eventually “make the team.” May disaster overtake us when we hunt abroad for our Athletes! May success be ours when we, naturally developing our Sports, see in all our contests the skill and spirit which is the outgrowth of a devotion to health-giving exercise and a love for clean, manly sport.

On behalf of the Committee.

JOSEPH W. SHARP, JR., *Chairman.*

The proposed amendment to Article II, Section 2, of the Constitution, referred to the Executive Committee and by that Committee approved, was brought to the attention of the meeting, and on motion duly seconded and carried, it was resolved that the Constitution be amended by the addition to Article II, Section 2, of the following clause: “If the report of the Nominating Committee is rejected the Association shall then proceed to elect by ballot upon nominations made in open meeting.”

The Secretary read the following letter from Mr. Alfred G. Scattergood, '98:

C. J. RHOADS,

Secretary, Haverford Alumni Association.

DEAR FRIEND: At thy suggestion, I desire formally to bring to the attention of the Association a matter connected with the Cricket Pavilion. Its erection (in 1904) was in charge of a committee consisting of one member from all classes, appointed, I believe, by this Association. By the resolution, of which the annexed is a copy, a sub-committee was appointed by this General Committee to attend to the decorations, pictures, records, etc., as mentioned therein.

This sub-committee has never made a formal report, and since its creator, the General Committee, was released some time ago, I desire to report for the Committee that it has accomplished practically all that was asked of it up to this date. Its yearly work now consists in having prepared and placed in position a tablet of the XI for the year, of securing and framing a picture of its captain, and of obtaining from time to time such pictures of prominent cricketers as it may see fit.

Since no authority is vested in it to have these costs charged to this Association, and its work is so slight, I suggest that the present Committee be discharged, and that another smaller one (consisting, say, of two alumni and one undergraduate) be appointed by this Association to have the matter in charge, with authority to draw on the Treasurer for \$5 every year to carry out the purpose of its creation.

I also suggest that the Treasurer be instructed to refund the advance of \$50.81 made by an individual, in order that the work of the Committee might be completed.

Respectfully,

A. G. SCATTERGOOD, *Chairman Sub-Committee.*

COPY OF RESOLUTION.

WHEREAS, It is important at the outset to establish a high standard in our New Hall of Fame in the proposed Cricket Pavilion at Haverford College.

Resolved, That the decorations consist only of flags, tablets, and pictures, as follows:

1st.—Flag of Dorian C. C. and the Haverford College flag, twice carried across the Atlantic, and then through England by the Cricket teams of 1896 and 1900;

2nd.—A tablet giving the names and approximate dates of former Cricket Clubs at Haverford;

3rd.—A tablet for each year from the earliest regular Cricket XI in the fifties, giving the name and classes of the XI for that year, the eleven names and no more, to be decided by that year's Captain;

4th.—Tablets showing winners of first XI prizes in batting, bowling, and fielding, (and averages);

5th.—Likenesses of American and Foreign Cricketers who have earned a distinctly historic or international reputation, or who have been conspicuous friends of Haverford Cricket in America or England;

6th.—Small likenesses of Captains of Haverford, so far as obtainable.

The whole matter to be under the control of the following twelve; who shall carry out the above provisions, and make such additions from time to time as they may judge wise and expedient. They shall fill vacancies in their number caused by death or otherwise by the election of graduates, except that one

member shall always be an undergraduate, who shall be their custodian. If necessary to fulfil this last provision, the senior member by Class shall retire. The Ground Committee for the year is to be held responsible for the care and safety of the building.

It was moved and carried that Mr. Scattergood's letter be spread upon the minutes, that the recommendations therein contained be adopted, and the Committee discharged with the thanks of the Association. The Treasurer of the Association was authorized to refund to the Committee \$50.81 expended by them, and the incoming President was directed to appoint a committee of three (two alumni and one undergraduate) in accordance with the suggestions in the letter.

Mr. J. Henry Scattergood, '96, called attention to the fact that the rule at Harvard University preventing men from playing on the cricket team until they had been students in the University at least one year had so limited the available candidates that Harvard had been unable to put an eleven in the field for the last two years, and that the game was in danger of dying out at that institution.

Whereupon, on motion of Mr. Scattergood, it was

Resolved, That this association request that the athletic authorities of Harvard University modify their rules which limit those who may represent the University on the Cricket Eleven to students of at least one year's standing, and that a copy of this minute, duly signed by the president and secretary of this association, in conjunction with chairman of the Athletic Committee be sent to the Athletic authorities at Harvard University.

The President of the Association reminded those present that the seventy-fifth anniversary of the opening

of Haverford would occur in the fall of 1908. Whereupon, on motion of Mr. Henry Cope, '69, it was

Resolved, That a committee of fifteen (with power to add to their number) be appointed by the President; said committee to co-operate with the Faculty and Board of Managers in making arrangements for the proper celebration of the Seventy-fifth Anniversary of the opening of Haverford.

Dr. Francis B. Jacobs, '97, made a strong plea that better care be taken of the Gymnasium building and apparatus. Other gentlemen endorsed his remarks, and the subject was referred to the incoming Executive Committee for consideration.

At the request of the editors of the "Haverfordian," Mr. Walter C. Janney, '98, asked that the members of the Association support the publication and send to it any items of news which might be of interest, particularly "Alumni Personals."

Before the meeting adjourned the President stated that, in accordance with the usual custom, he would announce the names of those appointed on the various committees at a later time. The following appointments were subsequently made:

COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, <i>Chairman</i>	J. Paul Haughton, '94
T. Allen Hillis, '70	Benjamin R. Hoffman, '97
Walter Brinton, '81	John Pim Carter, '00
Emmet R. Tatnall, '07	

COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

William M. Longstreth, '72	William G. Audenried, Jr., '90
<i>Chairman</i>	Stanley R. Yarnall, '92
J. Whitall Nicholson, '76	Joseph H. Haines, '98
Morris E. Leeds, '88	Abram G. Tatnall, '00

COMMITTEE ON ALUMNI ORATORICAL PRIZE.

Parker S. Williams, '94	Alfred Percival Smith, '84
<i>Chairman</i>	Jesse E. Philips, Jr., '87
Edward Y. Hartshorne, '81	William C. Longstreth, '02

COMMITTEE ON ATHLETICS.

Joseph W. Sharp, Jr., '88,	John A. Lester, '96
<i>Chairman</i>	J. Henry Scattergood, '96
Henry Cope, '69	Alfred M. Collins, '97
William C. Lowry, '79	Dr. Francis B. Jacobs, '97
Dr. Thomas F. Branson, '89	C. Christopher Morris, '04
Charles J. Rhoads, '93	Dr. James A. Babbitt
	H. Norman Thorn, '04

COMMITTEE TO AUDIT TREASURER'S REPORT.

Oscar M. Chase, '94	F. Algernon Evans, '99
---------------------	------------------------

COMMITTEE ON HALL OF FAME IN CRICKET PAVILION.

Alfred G. Scattergood, '98	Harold Evans, '07
<i>Chairman</i>	T. K. Sharpless, '05

COMMITTEE ON CELEBRATION OF SEVENTY-FIFTH ANNIVERSARY.

Edward Bettle, Jr., '61	Joseph W. Sharp, Jr., '88
Henry Cope, '69	J. Stoddell Stokes, '89
John M. Whitall, '80	Charles J. Rhoads, '93
John C. Winston, '81	William W. Comfort, '94
William L. Baily, '83	J. Henry Scattergood, '96
Alfred Percival Smith, '84	Alfred M. Collins, '97
Frederic H. Strawbridge, '87	Walter C. Janney, '98
	Alfred C. Maule, '99

The meeting adjourned, on motion.

C. J. RHOADS, *Secretary*.

Haverford and Its Future

Address to the Class of 1907

Haverford College

by

ERNEST WILLIAM BROWN, Sc.D., F.R.S.

Commencement Day

JUNE 14, 1907

HAVERFORD AND ITS FUTURE.

There is no apology needed from anyone who talks on the subject of education in a Commencement Address, and still less is there an apology needed for a talk on Haverford education before a Haverford audience.

The reasons for my choice of this subject are not far to seek. When you honored me by your selection as the speaker this morning in preference to some well-known man from outside, it was evident that you were willing to pay the penalty of listening to opinions and ideas which many of you must have known before, and of hearing them also under circumstances which do not admit of an immediate reply. I have no proper right to talk on political matters and business affairs and their connection with the College; the selection of a literary theme I have neither the knowledge nor the courage to attempt: and I have many doubts as to whether the subject of mathematics would furnish a text of interest except to those few who have had pleasure or pain from the study of it. But there is one object which has been of deep interest to me during the sixteen years I have spent here and which is of interest to you all: I need hardly say that subject is Haverford College.

One cannot be closely identified with the life in any institution for a long time without forming opinions as to its merits and its faults, what it has done and what it might do, its policy in the past and the lines on which it should proceed in the future. I am, therefore, going to

discuss, as briefly as possible, some of these questions, shielding myself from criticism for so doing beneath the ample folds of the presidential robe. It is, of course, the peculiar right of the President to lay these matters before you, and I should not have ventured to trespass on that right without a permit from him for free speech. It is only fair to add, however, that he is in no way responsible for any opinions I may express, beyond that influence which he cannot help exerting on all who come into close contact with him.

It must sometimes happen to any good Haverfordian to ask how Haverford differs from other Colleges. Is it that she stands in the highest rank, perhaps at the top, amongst the smaller Colleges in the country? Most of us think so, and I believe that we are not far wrong. But we also feel that there is something more than that in the spirit which goes to make what we call "a good Haverfordian" and which I shall not attempt to define. We are agreed that this spirit must be retained in spite of changes in the personnel of managers, faculty, and students. It is now a heritage to be jealously guarded, and the men who work in and for the College have the power to do so in their own hands.

Yet there are certain external means by which their work can be aided. A change in the policy of any institution frequently produces no immediate results at the time it is made, and yet it may, in the long run, have a far-reaching effect on the general character of the place. When we begin to consider what has been done, we may have to look far back for the causes of success or failure. In exactly the same way, hand-to-mouth methods will

not suffice to insure success in the future. We have to settle the plans now for generations of students, ten, twenty and thirty years ahead. A well thought out scheme, consistently carried through, even should future experience show it to be capable of great improvement, will achieve more than sudden and frequent changes without a definite plan of action. I do not mean that legislation will not often have to be undertaken to meet changing times and changing needs. My thought is that there are certain broad lines of action which can be settled and to which many details may be referred. It is as certainly a necessity for the College to have firm foundations of this nature as it is for the United States to have a Constitution. And the time to lay these foundations securely is now while we are free from serious troubles and have the leisure to think matters over quietly. It is these broader issues to which I wish to call your attention to-day.

In the first and foremost place is to be put the connection of Haverford College with the Society of Friends. There has been a growing tendency of late years for many institutions which have been founded and fostered by the members of some religious body to cut loose in all but name from their early associations. Sometimes it has been justified, as in the case of those bodies which have achieved a wide reputation and have grown national rather than local or sectarian in their character. In other cases the charter has been quite frankly changed for a financial reason, for example, that the College might participate in the benefits of State or other funds. But, in many cases, it has been due to impatience at the very

restrictions which, small as they may be, have been most conducive to their welfare. None of these reasons for change seem to apply to Haverford: the College rests secure in the continued and increasing interest and liberality of its friends. The connection with the Society must be no mere technical one, maintained by certain rules specifying, for example, that the Managers or the President shall be members in good standing, or that attendance at Fifth-day Meeting is expected from all students. It must be a real one in which the ideals of the Society for life, conduct and education shall be those which the College is prepared to maintain. The distinctive dress, the plain language, are good as external aids, but the real basis consists in the principles for which the Society stands, and it is those principles which, before all, should be the main factor in the College life. In one sense they are nothing else than the ideals which govern the best men of every creed and country; in another sense they are the highest form of religious thought both for theory and practice. Let who will say that Haverford is a denominational College; perhaps it is, but certainly not in the sense that it tries to inculcate any particular body of doctrine. It stands, not for doctrine, but for principles and ideals of a perfectly definite character, and these form a bed-rock foundation which should not be undermined in any way. Even if some of us feel able to contribute but little towards the maintenance of this connection, we can at least see to it that no hindrance be placed in the way of those who have the desire to retain what I regard as the greatest source of strength of the College.

In the second place, I would put the idea that Haverford is to remain what it now is—a small College. This means that there should be no attempt to increase very largely the number of students or to develop it into a University. Here it is necessary to go a little more into detail, so that there may be a clear idea of what is meant by the distinction between a small College, a large College, and a University. I take no account of the ambitious names adopted by some institutions, but rather class them by the character of the work they are doing and by the size and quality of the body of students and teachers.

The whole idea of a College is that of a single unit working towards a definite end. The students and instructors should, therefore, be in close contact with one another—students with students, instructors with instructors, and students with instructors—in order that there may be thorough agreement and sympathy in carrying out the objects of the College. The various methods by which this can be and is achieved are too well known to you to need any words from me. If Haverford falls short of this ideal of unity, it is not for want of recognizing its necessity. As a matter of fact, there are not and have not been any real lines of division in the College as a whole, as far back as my knowledge goes. A certain degree of friction at times has arisen and will arise, but this is not altogether unwholesome; on the contrary, it is sometimes even necessary, “lest the soft dreams of contentment end in soulless slumber.” Every one too, student and instructor alike, must feel that he is a necessary and integral part of the College, taking a definite place in its life and leaving a gap on his depar-

ture which it behoves his successors to fill to the best of their ability.

To carry out completely this idea of unity, it seems essential that the numbers of students and teachers should be limited. A faculty of more than twenty or twenty-five men becomes too large for free interchange of views on the various questions which come up for discussion: most of the work would be turned over to Committees in which the older men would have the largest share: a line of division is started the evils of which are easily recognized. In a similar way, if the number of students exceeds about 200, they naturally begin to split up into sets and cliques, and it becomes possible for a man to go through College without ever coming into contact with more than a score or so of his fellow-students. My own experience leads me to suggest about 200 students as the outside limit for an effective College: the numbers can be kept down to this by whatever methods seem to be most desirable. Haverford will have to be prepared to resist pressure to increase beyond this number, if she decides to raise a barrier. The best way to do so will be a fixed policy, settled well in advance of the time when it must come into force.

The University is more of the nature of a collection of units and the division is usually along the lines of the various departments into which modern learning is divided. A student goes from one to another and gets what he can from each: there is less unity in the general aim, since each department is necessarily most concerned with maintaining its own affairs in the highest state of efficiency. The University, too, takes all knowledge for

its province, and must, therefore, have several men in each department. It is, or should be, equipped to teach anything and everything demanded. For the sake of economy, therefore, there must be a large body of students—not less than 1,000—perhaps three or four thousand for the greatest efficiency. Something has been lost and must necessarily be lost in this large aggregation. The sentimental feeling for the institution may be kept alive by various methods, but the real unity which is possible in a small College cannot fully exist.

Of course there are, at times, geographical and other reasons why a college should be large and a University small. My point is that the greatest efficiency and economy are not obtained under such conditions. The desire of some of the men's Colleges in the States of the East to increase their numbers to an unwieldy extent, appears to me to be a mistaken policy, or, if circumstances permit, it should only be a step towards the formation of a real University. Haverford, situated with large and efficient Universities within easy reach, has no need to develop in this way, and owes no duty to the community to do so. It can stand as the high type of the small College and continue to do some of the best educational work of the country on its present lines.

Closely connected with this question of numbers is the third point I wish to make. The small College with a faculty of between fifteen and twenty-five has only one or two men teaching in any one department. It is, therefore, advisable that the College should strictly confine itself to undergraduate work, or at most to one year of additional work after graduation. This has in fact been

the general policy here. It is true that there have been one or two departures from it during the last two decades: it seems to me doubtful whether they have been wise. The best doctors' degrees in America are only obtained after at least three years' graduate work under several men in the same department. However excellent the one or two men in any department of a small college may be, they do not have the time for giving a student the extended work which is required by a candidate for a doctor's degree during three years. To give such a degree on lower terms than it is given in the best Universities is to lower the intellectual standards of the College. In order to maintain the present high standard of our bachelor's degree, we must either have corresponding standards for other degrees or refuse to accept candidates for them.

It is interesting to turn aside for a moment and to notice how this idea of the function of the College as distinct from that of the University has developed in England. Until the last half of the century, there were but two places in which the higher learning was fostered and taught, namely, Cambridge and Oxford. The founding of a large number of such institutions scattered over the country was not a necessity in earlier days. When the demand for more facilities came, it arrived at a time when the railroads were built or were being built, so that it was possible for students to reach these centers without great difficulty. They have thus to a large extent held their positions as the chief centers of University training.

Both Oxford and Cambridge are collections of Col-

leges besides being Universities. Each College is a unit in itself so far as the undergraduate life is concerned. It has its own staff of men, it manages its own affairs, it provides for the physical and moral needs of its students, and its faculty does most of the undergraduate teaching. In subjects which attract but few students, several colleges will combine on one man for the necessary instruction. The number of students in any one College averages from 150 to 200, so that the Colleges are small in the sense in which we understand that word. There are eighteen Colleges in Cambridge and a like number in Oxford.

The University, on the other hand, takes charge of all the graduate work and of those subjects in the undergraduate courses which demand laboratory facilities. It examines for and grants all degrees. Thus the training in mind and character, as far as the bachelor's degree, is given by the College, which stamps its own tone on the student. The measure of his work is taken by the University, which knows no distinction between the Colleges. In a word, a student's life is life in a small College; his degree is a University degree.

The fourth matter on which a policy should be framed is one which stands on more debatable grounds, namely, the nature of the education to be given. This is a question which is usually left to the expert, or perhaps, speaking more accurately, to those interested in education. And yet in its broader aspects it is one which will appeal to all and it admits of a simple statement. Does the student want—No, I will change the phrase—is it best for the student to have an all round education,

or shall he begin to specialize immediately after leaving school? If every parent in consultation with the boy's teachers at school could be induced to consider and settle this matter instead of leaving it to the boy's choice when he enters College, I think we should hear less about the disadvantages of a College education. At the age of seventeen one can hardly be the best judge of the kind of education which is best, when those who have had a life-long experience of teaching have not hit on any formula which will fit all minds. However, that is another story. What I wish to bring forward is the kind of education which Haverford seems to have been able to give most effectively in the past, and so to point the way for future action.

It is sometimes useful and nearly always interesting to try and discover the nature and quality of the work which any institution is doing. We may go about and gather opinions (which will largely depend on the manner in which we ask for them) or we may apply various tests to find out what it receives, what it gives, how far it fulfils its promises, what are the needs it supplies. In the case of Haverford, with a considerable body of alumni whose circumstances were well known before entrance into College, and who have kept in close touch with us since their graduation, it is not a difficult matter to gather statistics. I confess that I have made no attempt to obtain them, owing to a deep distrust, not of the statistics, but of the arguments which may be deduced from them. So many factors enter whenever we begin to classify men's work, that a personal opinion has much the same value as such arguments. Thus, in attempting

to obtain information about the work done by Haverford from the careers of those who have passed through the mill, I simply give my own impressions.

The men to be considered are those who make a more or less direct use of the education they have received here, and who have been partly or wholly influenced in their choice of a career by what Haverford has done for them. This excludes the majority of those who have gone into business, it is true, and they are not a small proportion of the whole body, but the effect of their education is indirect and cannot be shown properly until later in their lives. The men I consider are those who follow what are generally called the professions, that is, the men whose work consists essentially in labor for their fellowmen; a service sometimes recompensed by large fees, sometimes by a mere livelihood, sometimes not at all. But that is aside from the main issue; the laborer is worthy of his hire.

These professions may be divided into two classes. The first of these classes, which I shall call advisory, consists of those professions where knowledge or judgment or both are at the service of the community. In the second class I put those professions in which the work is constructive, where the new problems arising with new conditions are worked out, where the architecture of civilization is dealt with. Of course the lines of division of the two classes are by no means sharply drawn. Only the chief function of each is what I have in mind.

In the advisory class come naturally the lawyers, whose chief care is the relation of individuals or a group of individuals to each other or to the community; the teach-

ers and ministers who look after the mental and moral development of the people and chiefly of the rising generation: the modern physician belongs here also, for his work consists in giving advice for the care of the physical evils which flesh is heir to, and in the future will, I believe, consist much more in preventing those evils by advising every man how to live: many positions of trust in the financial and business world belong to this class also. In the constructive class come the engineer, the architect, the student who spends his time in research and investigation, the inventor, and so on. The legislator belongs to both classes. His proper work is both advisory and constructive, perhaps more the former than the latter, although it is now mixed with the duties of an executive, and not unfrequently with those of a special advocate when, for example, private pension bills are under consideration.

For both classes of the professions we have schools where the necessary knowledge and training are furnished: law, medicine, engineering, economics, and so on. But there is a difference. In the advisory class it is essential to full success to have the training which a liberal education furnishes, which lays the basis for a sound and accurate judgment of men and their affairs, a sense of proportion between what is important and what is not important, an eye for what is expedient—the basis which experience will later on complete. This is being more fully recognized as the struggle for the higher places becomes more strenuous. The uneducated lawyer or physician, the congressman or senator who is nothing more than a glorified primary boss, will have to fall

behind when he reaches the ranks of those who have other resources to bring to their aid: the bread cast upon the waters is seen after many days.

On the other hand, the constructive specialist can be and often is successful without any special education outside of his own line. I do not wish to be misunderstood as saying that this class does not need a general education, for I think that every man is better and more effective with it. My point is simply this—that as far as the constructive professions are concerned, a liberal education is not essential for professional success. As against this, there is no doubt that such an education, even though it takes more time, is the best training for any kind of work.

How does Haverford stand in relation to these two classes? Does she provide largely for the constructive side by sending out men who afterwards take to the professions which come under this class? I think not. It is true that she has sent out many engineers, but they are nearly always those whose profession has been determined before entry into College: they elect a special line at the start, and the duty of the College has been to give them the necessary training in that line, with as much else as can be furnished. I refer not to them, but to those who come into College with no settled views as to what they shall take up after the end of their four years here. Their decision for the future will then be largely determined by the indirect influence of the education and surroundings they have while in College. It seems to me that an unusual proportion have taken to the advisory professions, chiefly teaching and law. You will naturally

ask: What about those who have worked in politics and done good service to the State, especially during the last two or three years? It is in no way a criticism on their work to say that it has been advisory, rather than constructive. Perhaps greater success would have attended their efforts if they had been prepared to stand for a series of constructive measures for legislation in addition to putting up and endorsing good men for the work.

However this may be, a definite feature of the education at Haverford appears in this choice of professions which demand something more than the knowledge and training of the specialist. Perhaps no better justification than this one fact can be made for the policy pursued here—the policy, as you are all aware, of the Society of Friends at the foundation of Haverford, and fostered particularly by President Sharpless during the last twenty years.

If I am right in my conclusions, the fruits of this policy will only appear fully in the future. The work of the specialist begins to show early: the trained intellect and character often has to wait until the hour demands it. If a College can send out men whose choice of a profession demands more than mere knowledge in a particular line, there has been something in the methods of education which is worth retaining. Part of this is doubtless due to the individual work of the men who compose the teaching body, but I believe that more is due to the manner in which the separate parts have been co-ordinated to produce the final result—an educated man.

Hence, it seems wise for Haverford to continue on the

same lines, to demand that every one who leaves her gates with her degree shall possess what a Haverford degree has meant in the past—a liberal education. It may be that a free choice of studies will be granted to students in the larger Universities. Even if this happens, there is no need for Haverford to follow them in this particular. There is room for many different methods in the country, and the method which seems natural and best for Haverford is the general plan now in force for her bachelor of arts degree. Any large extension of the elective system will, I believe, do harm here. Rather should the tendency be in the opposite direction. The attempt to produce uniformity in College education throughout the country, in spite of the fact that it makes organization more easy, will have the same result as the fatal attempts to reduce all students to the same level:—it will end in intellectual stagnation and a descent of all to the level of the lowest. Haverford is placed in circumstances where she can stand alone and work out the problem in the way which seems right, using the experiences of other Colleges, not as a route, but as a help towards the best solution.

My final word is to point out one or two hidden rocks in the ship's course, not a present danger to her welfare, but one which may perhaps arise in the future. Taking the College as a whole, Haverford is as nearly ideal as any institution can be in the conditions which make for happiness and contentment in everyone connected with its work. Those very conditions are apt to become an object to be sought after more eagerly than the real object for which the College was founded,—the forma-

tion of mind and character. President Sharpless, while making a speech on a certain occasion not long ago, said he believed that the trouble with men at Haverford was that they were too happy. I believe his remark covers a real danger for the College in the future, the more real because it is insidious and difficult to recognize until it has become serious. I appeal to those who have watched us for the past few years, and ask them to consider whether or not we have done too much to remove hardships and difficulties from Haverford life. In trying to do justice to every one, are we not sometimes apt to forget that relaxations of the rules for individual cases may cause a gradual lessening of the moral and intellectual fibre, a lack of stiffness and vigor throughout the whole of the body? Do not misunderstand me. This danger runs through the whole of the educational system of the country, but the conditions at Haverford render us rather more liable to the disease. And, moreover, as Haverford has not waited in the past to see what other places would do before she embarked on a new movement, neither should she wait now to forestall her own dangers and those of the system to which she belongs. She has been a little ahead of her peers for many years: her existence and success in the future demand that she should still retain the same position at the front.

HAVERFORD COLLEGE BULLETIN

VOL. VI

TENTH MONTH, 1907

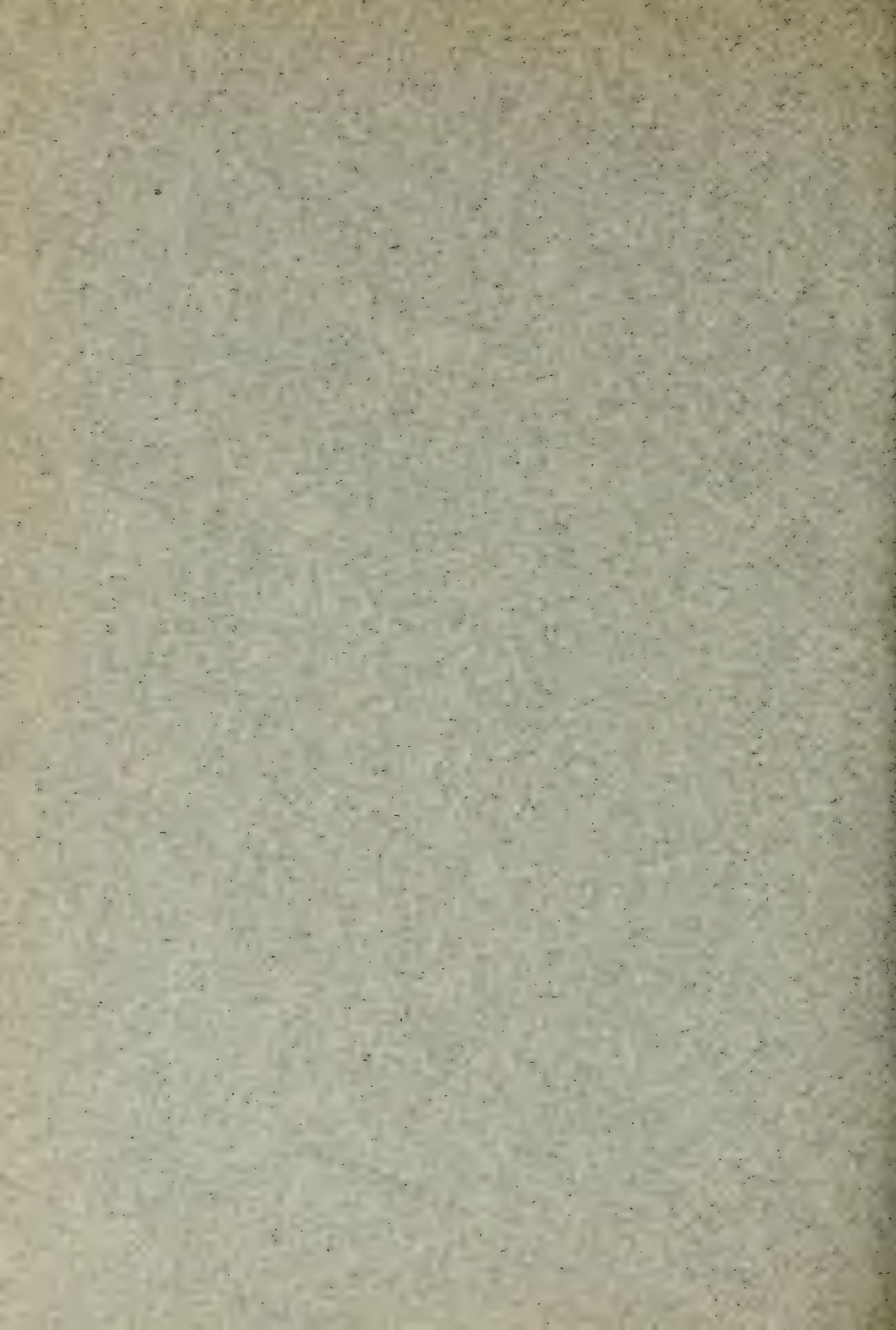
No. 1

Reports of the Board of Managers
President of the College and
Treasurer of the Corporation
1906=1907



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THE CORPORATION
OF
HAVERFORD COLLEGE

REPORTS OF
BOARD OF MANAGERS
PRESIDENT OF THE COLLEGE
TREASURER OF THE CORPORATION

PRESENTED AT THE ANNUAL MEETING

TENTH MONTH 8TH, 1907

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REPORT OF THE BOARD OF MANAGERS
OF THE
CORPORATION OF HAVERFORD
COLLEGE, 1907

To the Corporation of Haverford College:

Your Board of Managers reports that the work of the College has been continued during the past year without special incident, but with continued success, and steady development along conservative lines.

On Commencement Day, Sixth Month, Fourteenth, four students were given Master's degrees for advanced study, while the degree of Bachelor of Arts was conferred on fifteen students, and the degree of Bachelor of Science on seventeen students.

The address to the graduating class was given by Ernest William Brown, Sc.D., F.R.S.

In the accompanying report of President Sharpless will be found notices of the changes in our Faculty.

The Board wishes to record its regret at losing the valued services of Ernest W. Brown and Wilfred P. Mustard, who have been members of our Faculty for many years. During this time their success as teachers has been marked, and their influence in college circles has been much appreciated. We hope that continued success will follow them in the larger institutions to which they have gone.

Attention has been given to maintaining and improv-

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ing the property of the College. The new light and heat plant has been completed, and is a valuable addition to our equipment. Subscriptions from interested friends have enabled our Committee on College Property to spend about \$700 in planting a large number of trees and shrubs, which are doing well, and will add greatly to the beauty of our grounds.

To provide room for more students it seemed best to remodel the unused Gymnasium Building adjoining Merion Cottage. This has been done during the past summer, giving desirable accommodation for twelve students, at an expense of about \$6,000.

The third story of Founders' Hall has been improved at a cost of about \$2,000 to give better accommodations for part of our help.

The financial results of the year have been encouraging, especially in view of the increased cost of many items of expense. Details will be found in the Treasurer's Report presented herewith. The accounts show a balance in receipts over expenditures of \$2,144.72, although a few bills for repairs in the fiscal year are not included.

The debt of the College has been decreased from \$115,374.99 to \$90,842.22, as follows:

By net amount received for right of way to the Philadelphia and Western R. R. Co.	\$17,910.94
By donations for dining hall, etc., paid for and charged in previous year's expenses	3,223.79
By receipts over expenses for current year	2,144.72
By receipts for account of previous years.....	1,253.32
Total decrease in debt	<hr/> \$24,532.77

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Of the above debt of \$90,842.22 only \$21,000 is chargeable to deficits in college work.

The \$112,000 balance referred to in our last report as due on land sold for account of the Jacob P. Jones Fund has been paid in, and invested in interest-bearing securities, thus adding to the annual income of the College.

In the year \$18,460.14 in donations was received for various purposes, as shown in our Treasurer's Report, besides \$6,000 given as a nucleus for the foundation of "The President Sharpless Fund," which we hope to see increased to \$50,000, to be used as a fund for the benefit of retired professors.

From the executors of the estate of Joseph E. Gillingham we have received \$50,000, and from the estate of Henry Norris \$5,000. Both legacies are without conditions—but, in accordance with the wish of Joseph E. Gillingham, part of the income of his legacy will be used for "free scholarships for meritorious students."

It appears that certain charitable bequests under the will of Henry Norris were invalidated by the fact that the will was not executed with requisite formality. It was, however, the unanimous desire of the beneficiaries under the will that the charitable bequests be paid in full, notwithstanding the technical defect. The Board therefore minuted its grateful appreciation of the generous action of the heirs in relinquishing their claims on the legacy intended for the benefit of the College.

Our acknowledgments are also due to the many friends who have contributed for specified purposes. This continued liberality makes it possible to maintain

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and extend our academic equipment without drawing on the regular income, which is so much needed for current expenses.

If Haverford is to be strengthened for its future, it must not only attract new students, but receive the continued support of all who have confidence in the record of the past.

On behalf of the Board,

CHARLES HARTSHORNE, *President Pro Tem.*

HOWARD COMFORT, *Secretary.*

PHILADELPHIA,
Tenth Month, Seventh, 1907.

PRESIDENT'S REPORT

To the Board of Managers:

Attendance

The President reports the register of attendance during the last and present years as follows:

1906-1907.

Faculty	Grads.	Seniors	Juniors	Sophs.	Freshmen	Total
20	5	32	27	38	45	167

1907-1908.

Faculty	Grads.	Seniors	Juniors	Sophs.	Freshmen	Total
21	4	31	33	36	39	164

This classification places the special students with the class with which they are the most closely identified. The number of special students is less than last year, and also the number of day students.

Loss of Professors

It becomes my duty to record the loss of two valuable professors.

Ernest W. Brown came to Haverford as Instructor in Mathematics in 1891. He had been graduated in high standing from Cambridge University, and had been Fellow in Christ's College.

His scientific reputation rapidly grew while at Haverford. His own University gave him the degree of Doctor of Science and the Royal

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Society made him a Fellow. His publications in Mathematical Astronomy have large recognition among scholars.

With scientific ability, he combined the qualities of a good teacher and of a good collaborer, winning the hearty respect of associates and students. He leaves us to become Professor of Mathematics in Yale University.

Wilfred P. Mustard came to Haverford College in charge of our work in Latin, from a similar position in Colorado College, two years after Dr. Brown. He had been graduated from Toronto and Johns Hopkins Universities.

His scholarship was extensive and accurate, and, as the author of "Classical Echoes in Tennyson" and other similar studies, he had become an authority in an interesting field.

He was most faithful and successful in his class-room work, his old students regarding him as a friend as well as a teacher. He has accepted the position of Professor of Latin in Johns Hopkins University.

New men will enter the faculty as follows:

William Hartas Jackson, M.A., of Cambridge University, England, becomes Associate Professor of Mathematics. He was "Third Wrangler" in 1901, and after an additional year of mathematical study, has since

Additions to
the Faculty

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held the position of Lecturer on Mathematics in Manchester University.

Richard M. Gummere, A.B., of Haverford, 1902, and Ph.D., of Harvard University, 1907, becomes Instructor in Latin.

Thomas K. Brown, Jr., A.B., 1906, and A.M., 1907, of Haverford, becomes Instructor in German. This is a new appointment made necessary by the growths of the departments of English and German, which have been combined under Drs. F. B. Gummere and A. E. Hancock.

Walter M. Mitchell, Ph.D., and for three years Fellow in Astronomy, of Princeton University, becomes Instructor in Astronomy. This, also is a new appointment and places the observatory under the care of a man who will have no other duties, and who has made the subject a specialty.

Lectures and Public Events

The lectures and other public affairs for the last collegiate year were as follows:

Haverford Library Lectures:

"The Religious History of Scotland in the Eighteenth Century," three lectures by Dr. John Watson (Ian MacLaren).

2nd mo. 14th, 19th, and 26th, 1907.

The Thomas Shipley Lecture on English Literature:

HAVERFORD COLLEGE.

"Longfellow," by Professor Barrett Wendell, of Harvard University.

4th mo. 26th, 1907.

Other Lectures:

"New Guinea Savages" (illustrated), by Dr. Alfred C. Haddon, F.R.S., University Lecturer in Ethnology at Cambridge, England.

11th mo. 5th, 1906.

"Through Persia into Central Asia" (illustrated), by A. V. Williams Jackson, Ph.D., LL.D., Professor of Indo-Iranian Languages in Columbia University. Lecture delivered under the auspices of the Phi Beta Kappa Society.

12th mo. 7th, 1906.

"Political Conditions in Pennsylvania," by Isaac Sharpless, President of Haverford College. Lecture delivered under the auspices of the Civic Department of the Loganian Society.

12th mo. 11th, 1906.

"Scientific Oyster Culture in the Chesapeake" (illustrated), by Caswell Grave, Ph.D. Lecture delivered under the auspices of the Scientific Department of the Loganian Society.

1st mo. 22nd, 1907.

A meeting in behalf of The Hampton Normal and Agricultural Institute, addressed by the assistant chaplain, Edward L. Chichester;

HAVERFORD COLLEGE.

on behalf of the Negroes by the Commandant, Major Robert R. Moton, and on behalf of the Indians by Charles Doxon.

Singing by the Hampton Quartet.

3rd mo. 1st, 1907.

"Roman Remains in Southern France" (illustrated), by Wilfred P. Mustard, Ph.D., Professor of Latin in Haverford College. Lecture delivered under the auspices of the Classical Department. 4th mo. 8th, 1907.

Other Public Events:

Annual contest in extemporaneous speaking, between the Sophomore and Freshman classes, for the Everett Society Medal.

5th mo. 2nd, 1907.

Annual contest in oratory, between the Senior and Junior classes, for the Alumni Prize.

5th mo. 24th, 1907.

Commencement Day. Commencement exercises in Roberts Hall, with address by Ernest W. Brown, S.D., F.R.S., Professor of Mathematics in Haverford College. Informal Alumni program. Alumni business meeting.

6th mo. 14th, 1907.

**Improve-
ments to
Dormitories**

During the past year the gymnasium adjoining Merion Cottage, which was originally occupied by the Haverford Grammar School, has been fitted up for students at a cost of

HAVERFORD COLLEGE.

about \$6,000.00. It will accommodate from twelve to sixteen students comfortably. The rooms in Merion Cottage and this Annex, including board and tuition, now rent for \$375.00 a year. As they are very comfortable and well arranged, they have been much in demand at this price at the expense of accommodations in Barclay Hall. It is probable that the price does not represent the relative desirability of the rooms and that further adjustment should be made.

We have also spent about \$2,000.00 in repairing the third story of Founders' Hall. Part of this is occupied by students and the balance has been made into servants' quarters.

All of the dormitories are now in excellent condition, with the exception of Barclay Hall. This building is radically wrong in its arrangements and should, I think, be renovated another summer. The best way to do this would be to build an additional staircase and divide the whole into three separate buildings, with ample bathing accommodations on each floor of each section. Various smaller repairs have also been made during the year.

The Campus Club, in conjunction with the **The Lawn** Property Committee of the College, exerted itself to procure money for improvements on the lawn. As a result, the sum of \$795.00 was raised and a large number of trees and shrubs was planted. A double row of willow

HAVERFORD COLLEGE.

oaks was placed along the lane leading from Haverford Road to the farm house. Oaks of different sorts were planted in the vacant places in old rows of trees and groups of shrubbery were set out around the bases of the buildings and elsewhere. The planting was done under the direction of Samuel Parsons, of the Class of 1861, Landscape Architect of New York Central Park. A large amount of trimming of the old trees was also effected.

The Library During the year ending 9th month 30th, 1907, there were added to the library 1,861 volumes, of which 860 were bought, 532 were gifts, 20 were exchanges for duplicates, 242 came from the United States Government "on deposit," and 207 were periodicals and pamphlets bound.

The total number of bound volumes in the library at the above date was 48,952.

During the year 6,876 volumes were withdrawn for use outside the building. Of this number 3,236 were withdrawn by students, 2,422 by members of the faculty and others connected with the College, 597 by residents on the college grounds and in the neighborhood, and 621 volumes were withdrawn for use over night. The large decrease, as compared with last year, of books "withdrawn for use over night" is due to the opening of the library five evenings in the week. Except

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for short intermissions for meals, it is now open from 8.30 a. m. to 10 p. m.

The library is, as usual, under obligations for valuable contributions. Among the gifts are 106 volumes from the library of the late Edward Backhouse, of Sunderland, England. These books, the gift of Thomas William Backhouse, are a valuable addition to the collection of Friends' literature. From Norman Penney, Librarian of Devonshire House Library, have come 25 volumes and a number of scarce pamphlets, etc., relating to Friends.

The Class of 1900 has added 138 volumes to the collection of standard English fiction. From Caroline N. and Charles J. Rhoads have come 58 volumes relating to ethics, from the library of their father, the late Dr. James E. Rhoads.

Besides these special gifts, others, as stated in the appendix, have been presented.

The steadily increasing size of the collection emphasizes the need for storage room for the long lines of periodicals and other works not in active demand.

Since treating of the subject of pensions for retiring professors in my report of a year ago, the continued activity of the Carnegie Foundation has kept the matter prominently before the college public. It probably would not be truthful to say that the loss of two valuable professors this year has been due to

Pensions

HAVERFORD COLLEGE.

the ineligibility of Haverford College, on account of a denominational restriction applying to the Board of Managers, to a place among the accepted institutions who receive the general fund. How far it entered as a secondary consideration into the decision, I cannot say.

But the prospect of a yearly income varying from \$1,000.00 to \$3,000.00 coming, not as a charity, but as a part of the compensation properly attached to the position, cannot fail to have its influence upon a man approaching or past middle life.

It is doubtful whether we can hold all the men whom we most desire to hold, unless we make a similar provision or its equivalent. It is, therefore, a satisfaction to record the fact that money amounting at present to \$6,000.00 has been paid into the treasury by interested friends, as the nucleus of a fund for accomplishing this result in such a way as the President and the Board of Managers may decide to be most desirable. The one condition attached is that the income is not available till the fund reaches \$50,000.00.

New Scholarships

As fulfilling the wish of Joseph E. Gillingham, whose welcome bequest of \$50,000.00 has been received during the year, four new scholarships of \$200.00 each have been created to be given to meritorious students.

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In 1833 Haverford School opened. One year hence, in the tenth month, the Institution will have completed its seventy-fifth year. The Board of Managers and the Alumni Association have taken steps to arrange that this occasion shall be properly celebrated. A committee of the latter body is under appointment to plan the exercises. It has been proposed that these should include, among other features, the following:

Seventy-fifth
Birthday

1. A gathering of all old Haverfordians on the grounds of the College, with appropriate literary and recreational features. This notice should warn everyone to make his preparations to be on hand on the day or days fixed. It ought not to be impossible to have the largest percentage of old students in attendance that ever gathered on a similar occasion at any college.

2. An educational meeting or meetings, to which should be invited representatives of other colleges and universities, to be addressed by men most worth hearing in the United States.

3. The presentation to the Board of Managers of a fund of large dimensions, the united offering of the old students and other friends of the College, for any useful purpose nearest the hearts of the individual donors.

Already there are intimations that this fund is a matter of interest to some of our

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friends. Among other needs of the College, which may be considered in this connection, the following have been suggested:

(a) An Educational Building, embracing lecture rooms and laboratories, costing possibly, with equipment, \$150,000.00.

(b) The endowment of the Professorship of English with \$100,000.00.

(c) The completion of the Pension Fund mentioned above to \$50,000.00 or over.

(d) The addition of two sections to Lloyd Hall, each costing about \$12,000.00.

(e) The increase of the fund for buying books and other improvements to the Library by \$50,000.00.

(f) The endowment of Athletics, as proposed by the Athletic Committee of the Alumni Association, so as to abolish gate receipts, to an amount of \$25,000.00.

It would be easy to extend this list and bring it down into smaller items. It is now mentioned that the matter may rest with those who are interested in the permanent prosperity of the College, whether in the way of large or small donations. The occasion will be valuable if it succeeds in crystallizing into action a number of good resolutions.

**The Haver-
ford Library
Lectures**

Prior to 1903 the Haverford Library Lectures had been given by different men at irregular times whenever special arrangement

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could be made. At this time, it was decided to invite one scholar each year to give a connected series which should afterward be printed in book form with enlargement by the author if desired. This double use, as lectures and as books, has added much to the profit of the course. The following courses have been given:

1903. "The Religion of the Educated Man," by Francis Greenwood Peabody, Plummer Professor of Christian Morals in Harvard University.

1904. "From Epicurus to Christ," by William DeWitt Hyde, President of Bowdoin College.

1905. "The United States, a Christian Nation," by David J. Brewer, Justice of the United States Supreme Court.

1906. "The Laws of Friendship, Human and Divine," by Henry Churchill King, President of Oberlin College.

1907. "The Religious History of Scotland in the Eighteenth Century," by Dr. John Watson (Ian MacLaren).

The first three of these have been published and extensively sold. The manuscript of President King's Lectures, which he is revising, has not yet been received, and the lamented death of Dr. Watson makes it doubtful whether the changes and additions which

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he contemplated before publication will be completed.

The aggregate of influence resulting from the delivery and printing of these lectures has been great. Our students have heard solid religious and moral truth from the mouths of men of high scholarship and consistent lives, and have felt the impulse, in some cases, profoundly.

Respectfully submitted,

ISAAC SHARPLESS,

President.

Haverford College,

10th mo. 1st, 1907.

PUBLICATIONS OF THE FACULTY

1906-1907

BABBITT, JAMES A.—*The Naso-pharyngeal Examination in the Preparatory School*. Annals of Otology, Rhinology and Laryngology, June, 1907.

Official Bulletin of the American Intercollegiate Football Rules Committee, Nos. 1 and 2, October, 1906, and April, 1907.

Athletic Number, Haverford College Bulletin, Vol. V, No. 4, Sixth month, 1907.

BOLLES, ALBERT S.—*The Modern Law of Banking*. 2 vols., 8vo, pp. 1,203. George T. Bisel Company, Philadelphia.

The Quantitative Theory of Prices. Journal of Political Economy, Chicago, January, 1907, pp. 15.

COMFORT, WILLIAM W.—*Modern Spanish Fiction*. Atlantic Monthly, March, 1907.

GUMMERE, FRANCIS B.—*The Popular Ballad*. Opening volume in a new series of histories of English Literature. Houghton, Mifflin & Co., 1907.

HALL, LYMAN B.—Review of Ostwald's *Leitlinien der Chemie*. Journal of the American Chemical Society, March, 1907.

JONES, RUFUS M.—*The Primitive Quaker Conception*. Fellowship Papers, Vol. 1, No. 1, pp. 10-25. London, February, 1907.

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MUSTARD, WILFRED P.—Review of Billson's *Translation of the Æneid*. *Classical Journal*, November, 1906.

Report of *Rheinisches Museum für Philologie*, Vol. LXI. *American Journal of Philology*, Vol. XXVIII, No. 2.

Note on Dyboski's *Tennyson's Sprache und Stil*. *American Journal of Philology*, Vol. XXVIII, No. 2.

Paper on *Virgil's Georgics and the British Poets*. *Proceedings of the American Philological Association*, Vol. XXXVII.

Review of W. W. Greg's *Pastoral Poetry and Pastoral Drama*. *American Journal of Philology*, Vol. XXVIII, No. 3.

SHARPLESS, ISAAC.—*A Pennsylvania Quaker Boy*. *Atlantic Monthly*, October, 1907.

THOMAS, ALLEN C.—*John Hancock, the Man and the Patriot*. A paper read before the Empire State Society, Sons of the American Revolution, New York City, March 12, 1907. Printed by the Society, pp. 40, 1907.

SUMMARY OF THE ACCOUNT

OF THE

TREASURER OF THE CORPORATION

OF HAVERFORD COLLEGE

From Eighth mo. 31st, 1906, to Eighth mo. 31st, 1907.

RECEIPTS.

Income from investments:

General Endowment Fund	\$ 4,789.90
Thomas P. Cope Fund	300.17
Edward Yarnall Fund	266.48
Alumni Library Fund	547.74
Isaiah V. Williamson Fund	1,199.11
John Farnum Memorial Fund	1,705.39
John M. Whitall Fund	465.41
Richard T. Jones Scholarship Fund.....	225.00
David Scull Fund	1,943.85
Edward L. Scull Fund	544.52
New Library Fund	276.43
Wistar Morris Memorial Fund	208.26
Mary Farnum Brown Library Fund	1,551.31
Mary M. Johnson Scholarship Fund.....	344.44
Sarah Marshall Scholarship Fund.....	327.97
Israel Franklin Whitall Fund	587.07
Jacob P. Jones Endowment Fund.....	29,970.46
Clementine Cope Fellowship Fund.....	1,188.18
John Farnum Brown Fund for Bible Study, etc	5,090.90
Ellen Waln Fund	571.35
Clementine Cope Endowment Fund.....	1,072.55
Nathan Branson Hill Fund	19.15
Thomas Shipley Fund	229.50

HAVERFORD COLLEGE.

Elliston P. Morris Fund	\$ 46.75	
The President Sharpless Fund	1.91	
Henry Norris Fund	38.60	
	<hr/>	\$ 53,512.40
Board and tuition, cash	\$ 46,434.19	
" " " scholarships	14,275.00	
	<hr/>	\$ 60,709.19
Board of professors	1,095.00	
Rents	3,051.00	
Farm	1,135.19	
Stationery	526.01	
Income credited to Contingent Account	113.06	
Receipts for account of previous years	1,253.32	
Legacies:		
Estate of Joseph E. Gillingham	\$ 50,000.00	
Estate of Henry Norris	5,000.00	
	<hr/>	\$ 55,000.00
Donations:		
For power house plant	\$ 12,900.00	
For founding The President Sharpless Fund	6,000.00	
For new Dining Hall	3,189.34	
For lawn improvements	795.00	
For salaries	600.00	
For books, prizes, etc.	575.80	
For scholarship	400.00	
	<hr/>	\$ 24,460.14
Money borrowed temporarily	98,350.00	
Proceeds of land sold	112,000.00	
Net receipts of right of way to Philadelphia and Western R. R. Co.	17,910.94	
Investments:		
General Endowment Fund	\$ 22,500.00	
Thomas P. Cope Fund	2,400.00	
Edward Yarnall Fund	3,000.00	
Isaiah V. Williamson Fund	5,500.00	
John Farnum Memorial Fund	5,000.00	

HAVERFORD COLLEGE.

John M. Whitall Fund	\$ 4,000.00	
David Scull Fund	200.00	
New Library Fund	3,500.00	
Mary Farnum Brown Library Fund	4,000.00	
Mary M. Johnson Scholarship Fund	2,000.00	
Jacob P. Jones Endowment Fund	144,543.12	
John Farnum Brown Fund for Bible Study, etc.	10,000.00	
Ellen Waln Fund	7,000.00	
	<hr/>	\$213,643.12
Balance on hand Eighth month 31st, 1906:		
In the hands of the President	\$ 837.76	
In the hands of the Treasurer	261.80	
	<hr/>	\$ 1,099.56
		<hr/>
		\$643,858.93

PAYMENTS.

Salaries	\$ 43,150.00
Provisions	17,850.52
Wages	11,338.11
Repairs and improvements	8,636.18
Fuel and lights	5,300.86
Interest	3,937.57
Family expenses and furniture	2,286.81
Lawn and garden	2,783.22
Taxes	1,153.42
Incidentals	663.28
Scientific equipment	201.47
Gymnasium and athletics	204.08
Printing and advertising	1,341.98
Insurance	568.12
Books, etc., from income Alumni Library Fund	547.60
Books, etc., from income New Library Fund	271.43
Books, etc., from income Mary Farnum Brown Library Fund	819.96

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Lectures from income Mary Farnum Brown	
Library Fund	400.00
Lectures from income Thomas Shipley Fund	120.00
	<hr/> \$101,574.61

Scholarships and Fellowships:

Income General Endowment Fund.....	\$ 1,500.00
“ Thomas P. Cope Fund.....	200.00
“ Edward Yarnall Fund	300.00
“ Isaiah V. Williamson Fund.....	900.00
“ Richard T. Jones Scholarship	
Fund	225.00
“ Jacob P. Jones Endowment Fund	9,200.00
“ Mary M. Johnson Scholarship	
Fund	400.00
“ Sarah Marshall Scholarship Fund	400.00
“ Clementine Cope Fellowship Fund	1,285.00
	<hr/> \$ 14,410.00

Paid out of special donations:

For new power plant	\$ 24,160.13
For salaries	800.00
For lawn improvements	707.08
For scholarship	400.00
For books, prizes, etc	595.83
	<hr/> \$ 26,663.04

Paid temporarily on account of loans using	
funds awaiting reinvestment	\$ 90,150.00

Investments:

General Endowment Fund	\$ 23,090.80
Thomas P. Cope Fund	2,943.90
Edward Yarnall Fund	3,700.00
Isaiah V. Williamson Fund	5,905.40
John Farnum Memorial Fund	5,000.00
John M. Whitall Fund	3,608.00
David Scull Fund	1,640.00
New Library Fund	3,280.00
Mary Farnum Brown Library Fund.....	6,956.20
Mary M. Johnson Scholarship Fund	2,000.00
Jacob P. Jones Endowment Fund	275,584.05

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Clementine Cope Fellowship Fund	981.30	
John Farnum Brown Fund for Bible		
Study, etc.	10,132.50	
Ellen Waln Fund	6,869.10	
Joseph E. Gillingham Fund	47,213.35	
The President Sharpless Fund	5,894.84	
Henry Norris Fund	4,465.65	
		<hr/>
		\$409,265.09
Balance on hand Eighth month 31st, 1907:		
In the hands of the President.....	\$ 1,789.11	
In the hands of the Treasurer	7.08	
		<hr/>
		\$ 1,796.19
		<hr/>
		\$643,858.93

FINANCIAL STATEMENT

For the Year ending Eighth month 31st, 1907.

Expense of running the College, as per Treasurer's Statement	\$101,574.61
Receipts for Board and Tuition, Rents, Farm and from all other sources connected with the business of the College	66,516.39
Leaving a deficiency of	\$ 35,058.22
Income from Invested Funds and Donations applicable to Scholarships and running expenses	37,202.94
Leaving net surplus applicable to previous deficits..	\$ 2,144.72

THOMAS P. COPE FUND.

Founded 1842.

Par value of invested funds	\$ 5,550.00
Principal uninvested	482.46
Total fund	\$ 6,032.46
Income on hand at beginning of year.....	\$.87
Income received during the year	300.17
	—————\$ 301.04
Paid for the Thomas P. Cope Scholarships	200.00
Balance on hand at end of the year	\$ 101.04

GENERAL ENDOWMENT FUND.

Established 1847 and increased from time to time since.

Par value of invested funds	\$102,900.00
Principal uninvested	700.97
Total fund	\$103,600.97
Income received during the year	4,789.90
Paid for scholarships	\$1,500.00
Paid for general college expenses	3,289.90
	—————\$ 4,789.90

HAVERFORD COLLEGE.

EDWARD YARNALL FUND.

Founded 1860.

Par value of invested funds	\$ 6,200.00
Principal overinvested	62.54
<hr/>	
Total fund	\$ 6,137.46
Income on hand at beginning of year.....	\$ 38.99
Income received during year	266.48
<hr/>	
	\$ 305.47
Paid for the Edward Yarnall Scholarships.....	300.00
<hr/>	
Income on hand at end of year	\$ 5.47

ALUMNI LIBRARY FUND.

Established by the Alumni Association, 1863.

Par value of invested funds	\$ 11,200.00
Principal uninvested	267.09
<hr/>	
Total fund	\$ 11,467.09
Income on hand at beginning of year	\$105.19
Income received during the year	547.74
<hr/>	
	\$ 652.93
Paid for books, etc.	542.60
<hr/>	
Income on hand at end of year	\$ 110.33

ISAIAH V. WILLIAMSON FUND.

Founded 1876 and increased 1883.

Par value of invested funds	\$ 21,766.66
Principal uninvested	18.64
<hr/>	
Total fund	\$ 21,785.30
Income received during the year	\$1,199.11
Less income overdrawn at beginning of year...	173.03
<hr/>	
	\$ 1,026.08
Paid for I. V. Williamson Scholarships	900.00
<hr/>	
Income on hand at end of year	\$ 126.08

HAVERFORD COLLEGE.

JOHN FARNUM MEMORIAL FUND.

Established 1878, increased by Legacy of Elizabeth H. Farnum
in 1899.

Par value of invested funds	\$ 39,800.00
Principal uninvested	330.00

Total fund	\$ 40,130.00
Income received during the year	1,705.39
Paid toward support of Chair endowed by this fund..	1,705.39

JOHN M. WHITALL FUND.

Founded in 1880.

Par value of invested funds	\$ 10,000.00
Principal uninvested	425.89

Total fund	\$ 10,425.89
Income received during the year	465.41
Appropriated for salaries	465.41

EDWARD L. SCULL LEGACY.

Received in 1885.

Par value of invested funds	\$ 12,100.00
Principal uninvested	71.57

Total fund	\$ 12,171.57
Income received during the year	544.52
Appropriated for salaries	544.52

DAVID SCULL FUND.

Founded 1885.

Par value of invested funds	\$46,300.00
Principal uninvested	285.73

Total fund	\$ 46,585.73
Income received during the year	1,943.85
Paid toward salaries, etc.	1,943.85

HAVERFORD COLLEGE.

RICHARD T. JONES SCHOLARSHIP FUND.

Founded by Will of Jacob P. Jones, 1885.

Par value of the fund	\$ 5,000.00
Income received during the year	225.00
Paid for Richard T. Jones Scholarship	225.00

NEW LIBRARY FUND.

Founded 1892.

Par value of invested funds	\$ 7,000.00
Amount uninvested	245.18
<hr/>	
Total fund	\$ 7,245.18
Income received during the year	276.43
Paid for books, etc.	276.43

WISTAR MORRIS MEMORIAL FUND.

Founded 1892.

Par value of fund, all invested	\$ 5,000.00
Income received during the year	208.26
Appropriated for salaries	208.26

MARY FARNUM BROWN LIBRARY FUND.

Founded 1892.

Par value of invested funds	\$ 33,500.00
Amount uninvested	423.72
<hr/>	
Total fund	\$ 33,923.72
Income received during the year	1,551.31
Income appropriated for books, etc.	\$819.96
Income appropriated for lectures	400.00
Income transferred to principal	331.35
	<hr/> \$ 1,551.31

HAVERFORD COLLEGE.

ISRAEL FRANKLIN WHITALL FUND.

Founded 1896.

Par value of invested funds	\$ 12,000.00
Amount uninvested	466.87
<hr/>	
Total fund	\$ 12,466.87
Income received during the year	587.07
Appropriated for salaries	587.07

MARY M. JOHNSON SCHOLARSHIP FUND.

Founded 1897.

Par value of invested funds	\$ 8,000.00
Amount uninvested	395.00
<hr/>	
Total fund	\$ 8,395.00
Income on hand at beginning of year	\$120.72
Income received during the year	344.44
	—————\$ 465.16
Paid for Mary M. Johnson Scholarships	400.00
<hr/>	
Income on hand at end of year	\$ 65.16

SARAH MARSHALL SCHOLARSHIP FUND.

Founded 1897.

Par value of invested funds	\$ 7,000.00
Amount uninvested	771.19
<hr/>	
Total fund	\$ 7,771.19
Income on hand at beginning of the year.....	\$114.87
Income received during the year	327.97
	—————\$ 442.84
Paid for Sarah Marshall Scholarships	400.00
<hr/>	
Income on hand at end of the year	\$ 42.84

HAVERFORD COLLEGE.

JACOB P. JONES ENDOWMENT FUND.

Founded 1897.

Par value of invested funds	\$638,961.88
Amount uninvested	9,875.89
<hr/>	
Total fund	\$648,837.77
Income received during the year	29,970.46
Appropriated for scholarships	\$ 9,200.00
Appropriated for general expenses	20,770.46
	<hr/> \$ 29,970.46

CLEMENTINE COPE FELLOWSHIP FUND.

Founded 1899.

Par value of invested funds	\$ 24,800.00
Amount uninvested	297.70
<hr/>	
Total fund	\$ 25,097.70
Income on hand at beginning of the year...	\$ 643.42
Income received during the year	1,188.18
	<hr/> \$ 1,831.60
Paid for fellowships	1,285.00
<hr/>	
Income on hand at end of year	\$ 546.60

JOHN FARNUM BROWN FUND FOR BIBLE STUDY AND
RELIGIOUS TEACHING.

Founded 1900 and increased later.

Par value of invested funds	\$127,500.00
Amount uninvested	1,874.04
<hr/>	
Total fund	\$129,374.04
Income received during the year	5,090.90
Income appropriated for salaries, etc.	\$3,827.44
Income transferred to principal account.....	1,263.46
	<hr/> \$ 5,090.90

HAVERFORD COLLEGE.

ELLEN WALN FUND.

Founded 1900.

Par value of invested funds	\$ 11,000.00
Amount uninvested	97.10
<hr/>	
Total fund	\$ 11,097.10
Income received during the year	571.35
Income appropriated for general expenses	571.35

CLEMENTINE COPE ENDOWMENT FUND.

Founded 1904.

Par value of invested funds	\$ 31,000.00
Amount uninvested	108.75
<hr/>	
Total fund	\$ 31,108.75
Income received during the year	1,072.55
Income appropriated for general expenses	1,072.55

THOMAS SHIPLEY FUND.

Founded 1904.

Par value of invested funds	\$ 5,000.00
Amount uninvested	225.00
<hr/>	
Total fund	\$ 5,225.00
Income on hand at beginning of the year.....	\$189.00
Income received during the year	229.50
<hr/>	
Income appropriated for lectures	\$ 418.50
Income appropriated for lectures	120.00
Income on hand at end of the year	298.50

NATHAN BRANSON HILL TRUST.

Fund Established in 1904, held in trust by Minneapolis Trust Company, Minneapolis, Minn.

Income received during the year	\$ 19.15
Income appropriated for expenses	19.15

HAVERFORD COLLEGE.

ELLISTON P. MORRIS FUND.

Founded 1906.

Par value of invested funds	\$ 1,000.00
Amount uninvested	188.75
<hr/>	
Total fund	\$ 1,188.75
Income on hand at beginning of year.....	\$25.28
Income received during the year	46.75
	<hr/>
	\$ 72.03
<hr/>	
Income on hand at end of year	\$ 72.03

JOSEPH E. GILLINGHAM FUND.

Founded 1907.

Par value of invested funds	\$ 50,000.00
Amount uninvested	2,786.65
<hr/>	
Total fund	\$ 52,786.65

THE PRESIDENT SHARPLESS FUND.

Founded 1907.

Par value of invested funds	\$ 7,000.00
Amount uninvested	107.07
<hr/>	
Total fund	\$ 7,107.07
Income received during year	1.91
Income added to principal	1.91

HENRY NORRIS FUND.

Founded 1907.

Par value of invested funds	\$ 5,000.00
Amount uninvested	534.35
<hr/>	
Total fund	\$ 5,534.35
Income received during year	38.60
Income appropriated for general expenses.....	38.60

HAVERFORD COLLEGE.

SUMMARY OF THE FUNDS.

General Endowment Fund	\$ 103,600.97
Thomas P. Cope Fund	6,032.46
Edward Yarnall Fund	6,137.46
Alumni Library Fund	11,467.09
Isaiah V. Williamson Fund	21,785.30
John Farnum Memorial Fund	40,130.00
John M. Whittall Fund	10,425.89
Richard T. Jones Scholarship Fund	5,000.00
David Scull Fund	46,585.73
Edward L. Scull Fund	12,171.57
New Library Fund	7,245.18
Wistar Morris Memorial Fund	5,000.00
Mary Farnum Brown Library Fund	33,923.72
Mary M. Johnson Scholarship Fund	8,395.00
Sarah Marshall Scholarship Fund	7,771.19
Israel Franklin Whittall Fund	12,466.87
Jacob P. Jones Endowment Fund	648,837.77
Clementine Cope Fellowship Fund	25,097.70
John Farnum Brown Memorial Fund for Bible Study and Religious Teaching	129,374.04
Ellen Waln Fund	11,097.10
Clementine Cope Endowment Fund	31,108.75
Thomas Shipley Fund	5,225.00
Elliston P. Morris Fund	1,188.75
Joseph E. Gillingham Fund	52,786.65
The President Sharpless Fund	7,107.07
Henry Norris Fund	5,534.35

Total par value\$1,255,495.61
being \$182,899.69 more than reported one year ago, as follows:
Proceeds of real estate sold for account of Jacob P.

Jones Endowment Fund	\$ 112,000.00
Legacy under will of Joseph E. Gillingham	50,000.00
Gifts for founding The President Sharpless Fund....	6,000.00
Legacy under will of Henry Norris	5,000.00
Variations from par in price of securities.....	8,189.91

HAVERFORD COLLEGE.

Income credited to principal, as provided in terms of trusts	\$ 1,596.72
Income credited to principal for Contingent Account.	113.06
	<hr/>
	\$182,899.69

SPECIAL FUND.

This fund is made up of money donated for special purposes and now awaiting application thereto, as follows:

Power house plant	\$1,064.87
Salaries	500.00
Prizes, etc.	288.42
	<hr/>
	\$1,853.29

We have examined the accounts of the Treasurer of The Corporation of Haverford College for the year ending Eighth Month 31st, 1907, of which the foregoing is a summary. We have compared his payments with the vouchers therefor, and find the same correct. There was a cash balance in his hands on that date of \$7.08, exclusive of \$1,789.11 in the hands of the President of the College.

{ Signed }	SAMUEL L. ALLEN,
	J. STOGDELL STOKES,
	<i>Auditing Committee.</i>

Philadelphia, Tenth Month 5th, 1907.

We have examined the securities belonging to The Corporation of Haverford College, and find them to agree with the foregoing statement of the Treasurer.

{ Signed }	FRANCIS STOKES,
	THOMAS F. BRANSON,
	<i>Auditing Committee.</i>

Philadelphia, Tenth Month 2nd, 1907.

LIST OF GIFTS TO THE LIBRARY OF HAVERFORD COLLEGE 1906-1907

	Volumes
Class of 1900	139
T. W. Backhouse	123
C. N. and C. J. Rhoads	58
G. and E. C. Peirce	18
Royal Observatory, Cape of Good Hope.....	6
Mrs. Charles Roberts	6
Norman Penney	5
Howard Comfort	4
Smithsonian Institution	3
Stuart Wood	2

F. B. Gummere, J. C. Trautwine, Jr., and J. C. Trautwine, 3d, Jefferson Physical Laboratory, Harvard University, and many others, one volume each. From Norman Penney numerous valuable pamphlets relating to Friends, and from many others one or more pamphlets each.

CASH DONATIONS FOR THE YEAR ENDING 8th MONTH 31st, 1907

Samuel L. Allen	\$ 1,100.00
Albert L. Baily	25.00
Joshua L. Baily	270.00
Edwin J. Bevan	6.00
Albert S. Bolles	4.50
David J. Brewer	44.91
T. Wistar Brown	5,000.00
Dr. William W. Cadbury	10.00
Class of 1879	100.00
Class of 1896	20.00
Class of 1898	10.00
Class of 1905	175.00
Henry H. Collins	50.00
Howard Comfort	100.00
William Wistar Comfort	15.00
John H. Converse	1,000.00
Henry Cope	25.00
Thomas DeWitt Cuyler	25.00
Charles E. Estlack	25.00
F. Algernon Evans	20.00
A Friend	125.00
J. M. Fox	5.00
John B. Garrett	210.00
Joseph H. Haines	50.00
Anthony A. Hirst	25.00
Clarence Gilbert Hoag	10.00
Furman S. Howson	10.00
Abram F. Huston	700.00
Charles L. Huston	350.00
Mrs. William F. Jenks	5.00

HAVERFORD COLLEGE.

Alba B. Johnson	\$ 300.00
Catherine W. Morris	5.00
C. Christopher Morris	30.00
J. Whitall Nicholson	200.00
Harold Peirce	50.00
Dr. Samuel Rhoads	30.00
Alfred G. Scattergood	50.00
J. Henry Scattergood	25.00
David Scull	25.00
William E. Scull	5.00
Samuel R. Shipley	100.00
Walter Penn Shipley	250.00
Albert K. Smiley	25.00
Alfred Percival Smith	400.00
Edgar Thomas Snipes	10.00
Jonathan M. Steere	33.34
Francis Stokes	25.00
Francis R. Strawbridge	50.00
Frederic H. Strawbridge	7,550.00
W. Henry Sutton	20.00
Frederic A. Swan	20.00
Albert Syze	10.00
Edward B. Taylor	100.00
George Vaux, Jr.	250.00
A. and S. W.	1,000.00
John M. Whitall	2,800.00
Francis A. White	500.00
Robert N. Wilson	5.00
Asa S. Wing	50.00
John C. Winston	50.00
Thomas Wistar	30.00
George Wood	34.45
L. Hollingsworth Wood	50.00
Stuart Wood	251.94
Walter Wood	605.00
Ethel L. J. Wright	5.00
Total	\$24,460.14

ELEVENTH ANNUAL EVERETT MEDAL ORATORICAL CONTEST, 1907

EXTEMPORANEOUS SPEAKING

FIFTH MONTH 2ND.

- "IN HONOR OF DELAWARE" Clarence Creadick Killen, '09
"THE FATE OF THE PHILIPPINES" Samuel Abraham Rabinowitz, '10
"THE POWER OF PUBLIC OPINION" Howard Milton Lutz, '09
"THE RETURN TO NATURE" Alfred Ingersoll Phillips, Jr., '10
"THE YELLOW PERIL" Sidney Loewenstein, '09
"THE CHILDREN AND THE FACTORIES" .. William Chase Greene, '10
"THE PROBLEM OF DISARMAMENT,"
Mark Herbert Carver Spiers, '09
"STABILITY—AN AMERICAN TRAIT"..... John French Wilson, '10
-

ANNUAL ALUMNI PRIZE CONTEST IN ORATORY, 1907

FIFTH MONTH 24TH.

- "THE CRY OF THE CHILDREN" Richard Arnold Ricks, Jr., '07
"THE INCARNATION OF MAN" James Carey Thomas, '08
"THE NEW AMERICAN" Cecil Kent Drinker, '08
"NATURE AND CIVILIZATION" Ira Jacob Dodge, '07
"THE TASK OF THE TRUE REFORMER,"
Joseph Passmore Elkinton, '08
"THE SENATOR FROM SOUTH CAROLINA,"
Raleigh Cabell Lindsay, '07

EXERCISES OF COMMENCEMENT DAY

SIXTH MONTH 14TH, 1907.

ORDER OF EXERCISES.

- 11.00 A. M.—I. Commencement Exercises in Roberts Hall.
1. Introductory remarks by President Sharpless.
 2. Announcement of Prizes and Honors.
 3. Conferring of Degrees.
 4. Address to the Graduates by Ernest William Brown, Sc.D., F.R.S., Professor of Mathematics in Haverford College.
- 12.15 P. M.—II. Presentation of Cricket Prizes in front of Founders' Hall.
- 12.30 P. M.—III. Luncheon on the Lawn.
- 1.30 P. M.—IV. Alumni Cricket Game on Cope Field.
- 3.00 P. M.—V. Cricket and Baseball Games on Walton Field.
- 4.30 P. M.—VI. Afternoon Tea (for Alumni and Invited Guests) in the Mary Newlin Smith Memorial Garden.
- 6.00 P. M.—VII. Alumni Business Meeting in Roberts Hall.
- 7.30 P. M.—VIII. Alumni Supper (for Alumni and Invited Guests) on the Lawn.
- 8.30 P. M.—IX. Singing.

SCHEDULE OF RECITATIONS FOR THE COLLEGIATE YEAR 1906-1907

	8.30	9.30	10.30	11.30	1.30	2.00	3.00
SECOND DAY		Bib. Lit. II Bib. Lit. III Bib. Lit. II Bib. Lit. IV Bib. Lit. II Bib. Lit. IV English II	Bib. Lit. V French IV Physics VI Chem. IV History IV Greek VII Math. V Eng. III (Biol. VI) Bib. Lit. IV	German V Engin. Ib (Astron. I.) Econ. II German I Bib. Lit. I French II Greek I	— Chemistry — Govern. I Phil. II & III — Engin. IV — Latin IV Biol. VIII Biol. III Math. VII — Engin. III — Greek II French III Latin II		
THIRD DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek V Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	(Greek A) Math. VI Math. XIV Engin. IIb History III Italian I German III German II	— Physics II — — Physics VII — English V English XI — Biol. Lab. III — — Biology X — — Engin. III — — Soph. Chem. Lab. — — French II — Biology I Greek I		
FOURTH DAY	Eng. IX Latin IV Math. IIa & IIb Math. Ia, Ib	Phil. IV Latin III Math. IV Math. IIIa & IIb Greek II French III Eng. Ia, Ib	(Bib. Lit. V) French IV Physics VI Chem. IV History IV Greek VII Math. V Eng. III (Biol. VI)	German V Engin. Ib (Astron. I) Econ. II German I French II Greek I	Phil. II & III — Chemistry — — Engin. IV — — Biol. VIII — — Engin. III — Math. VII — Physics I — — Soph. Biol. Lab. — History I Latin I		
FIFTH DAY	Eng. IX Latin IV Math. IIa & IIb Math. Ia, Ib	Phil. IV Latin III Math. IV Math. IIIa & IIb Greek II French III Eng. Ia, Ib	Meeting		— Engin. IV — (Greek A) Greek VII — Chemistry — Math. VI Eng. VII — Engin. III — History III French I Italian I English VIIb Biol. VII German III Physics I German II Latin I		
SIXTH DAY	Econ. III & IV Phil. I Latin II Math. Ia, Ib	Phil. Va & Vb Econ. I Physics I Biol. II Latin I	Greek V Econ. V, VI Geology I French I Chem. I Math. IIa & IIb	(Greek A) Math. VI Math. XIV Engin. IIb History III Italian I German III German II	— Physics II — — Physics VII — Eng. VIa English XI — Biol. Lab. III — (Biology X) — Engin. III — — Soph. Chem. Lab. — — French II — Biology I Greek I		
SEVENTH DAY	Econ. III & IV Greek V German I — Soph. Phys. Lab. — — Soph. Biol. Lab. — German II	Latin III Math. IV Math. IIIa & IIb History I		Hours enclosed in parentheses () were not offered in 1906-1907 Eng. = English Engin. = Engineering			

STATED MEETING OF THE CORPORATION AND OF THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth month, at 3 o'clock p. m.

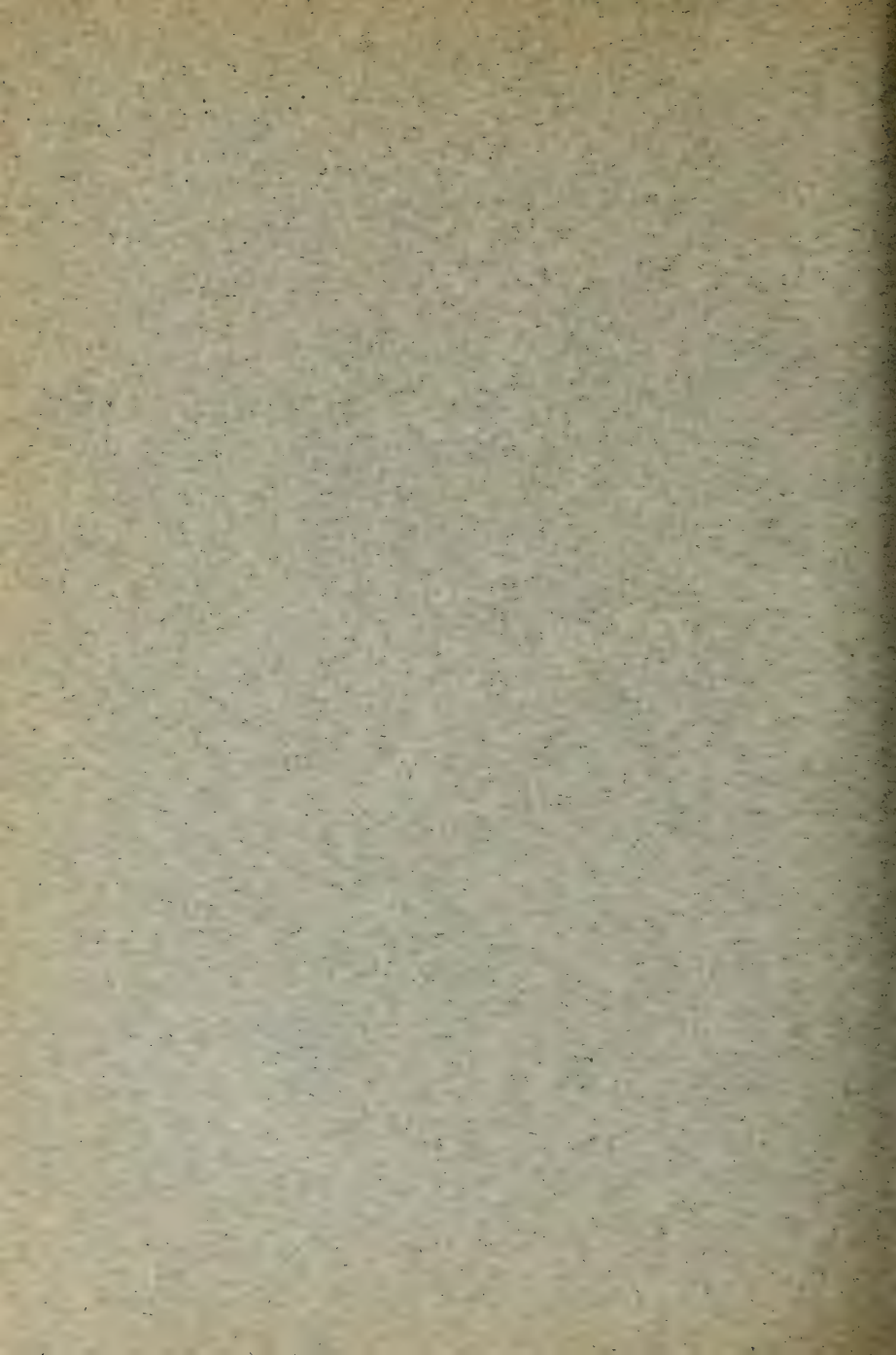
The Stated Meetings of the Managers are held on the third Sixth-day in the First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF LEGACY

I give and bequeath (if personal)—devise (if real)—to "The Corporation of Haverford College," the sum of (or if real estate, describe it).....to have and to hold to them, their successors and assigns, to the use of the said "The Corporation of Haverford College," their successors and assigns.



HAVERFORD COLLEGE
BULLETIN

VOL. VI

FIRST MONTH, 1908

No. 2

Catalogue

1907-1908



Issued Quarterly by Haverford College,
Haverford, Pa.

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as Second Class Matter under Act of Congress of July 16th, 1894

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CATALOGUE
OF
Haverford College
1907-1908



HAVERFORD, PA.

Press of
THE JOHN C. WINSTON Co.,
Philadelphia, Pa.

CALENDAR.

1907-1908.

Examinations for Admission	9th Mo.	23-24-25
College Year 1908-1909 began	9th Mo.	25
Winter Recess began	12th Mo.	21
Winter Term began, 1908*	1st Mo.	6
Second Half-year begins	2d Mo.	10
Spring Recess begins	4th Mo.	18
Spring Term begins*	4th Mo.	27
Senior Class Day	6th Mo.	9
Commencement and Alumni Day, 1908.....	6th Mo.	10
Examinations for Admission	6th Mo.	11-12-13

1908-1909.

Examinations for Admission	9th Mo.	21-22-23
College Year 1908-1909 begins*.....	9th Mo.	23
Winter Recess begins	12th Mo.	19
Winter Term begins, 1909*	1st Mo.	4
Second Half-year begins	2d Mo.	8
Spring Recess begins	4th Mo.	17
Spring Term begins*	4th Mo.	26
Senior Class Day	6th Mo.	15
Commencement and Alumni Day, 1909	6th Mo.	16
Examinations for Admission	6th Mo.	17-18-19

*The first classes at the beginning of each term are held promptly at *half-past nine o'clock*. No absences from them are excused, unless clearly unavoidable.

HAVERFORD COLLEGE

HISTORY AND DESCRIPTION.

In the spring of 1830, a meeting of a few Friends in Philadelphia, shortly followed by a similar meeting in New York, originated Haverford School. The two committees expressed the object of the effort as follows: "The members of the Society of Friends, having hitherto labored under great disadvantages in obtaining for their children a guarded education in the higher branches of learning, combining the requisite literary instruction with a religious care over the morals and manners of the scholars, . . . and carefully preserving them from the influence of corrupt principles and evil communications, it is therefore proposed that an institution be established in which the children of Friends shall receive a liberal education in ancient and modern literature and the mathematical and other sciences."

The sum supposed to be necessary, forty thousand dollars, was raised without great effort, and the committee went out to seek a location. "We wished to procure," they say, "a farm in a neighborhood of unquestionable salubrity—within a short distance of a Friends' meeting—of easy access from this city at all seasons of the year . . . and one that was recommended by the beauty of the scenery and a retired situation." They then report

that, of the many places inspected by them, the only one which combined all the advantages was one of one hundred and ninety-eight acres (since increased to two hundred and twenty-five) "near the eight-mile stone of the Lancaster turnpike." They explain the present and prospective merits of the farm, the beauty of the natural woods, the unfailing springs of purest water, the nearness to the new Pennsylvania Railroad, in words which the succeeding decades have amply justified.

In the autumn of 1833 the school opened with twenty-one students, under the charge of a superintendent, who looked after the government, order and domestic economy of the family, a teacher of Ancient Languages and Ancient Literature, a teacher of English Literature and Mental and Moral Philosophy, and a teacher of Mathematics and Natural Philosophy.

The regulations of the new school were rigid. The bounds and hours of the boys were very strictly prescribed. All the details of the daily program were arranged with great care, and, if the elaborate provision of a number of wise men for the normal growth of students could convert boys into perfect men, the students of those early days had every advantage.

The school thus established grew rapidly into prosperity and debt. The charges were low, the teachers were liberally paid, and the years which followed were marked by a constant endeavor to produce a maximum of good results from very limited funds. The financial deficiencies were made up in a liberal spirit and a constant growth was maintained by frequent subscriptions. All this time the school was justifying the effort by the

quality of its results and was making for itself an increasing number of friends.

One of the first acts of the committee, after provision for absolute necessities, was to construct a gymnasium and make arrangements for systematic physical work. They were determined that the advantage gained by the salubrity of the surroundings should not be lost by want of exercise. Under their care the lawn was graded at considerable expense, and foreign and native trees set out with the design to make it a great arboretum. Cricket, a game not then known elsewhere in America, was introduced and has continued to flourish. A greenhouse and a flower garden were established and maintained for twenty years by the work of the boys. The idea that has done harm elsewhere, that schools are places for mental development only, had no foothold here; but morals, muscles, and senses received their due share of culture.

In 1845 a temporary suspension was declared to allow the funds to accumulate and to give time for the collection of an endowment. This suspension lasted three years.

In 1852 the Observatory was built and supplied with an $8\frac{1}{4}$ -inch equatorial and a $3\frac{3}{4}$ -inch transit. In 1856 the school was changed to a college, and was authorized by the Legislature to grant degrees; but previous to this time the course had been as extended as in most colleges. It was still hampered with a preparatory department, which was not abolished until 1861. In 1863, Alumni Hall, containing an auditorium and ample accommodations for the library, was built. In 1877, Barclay Hall, with its private dormitories and study-rooms, was erected by friends of the College at a cost of eighty-two thou-

sand dollars. The Chemical Laboratories were improved in 1878. The new Observatory was built in 1883. The Mechanical Laboratory was established in 1884 and was provided with a new building in 1890; this was burned down in 1896, and Whitall Hall, a new three-story structure, was built. The Biological Laboratory was established in 1886 and the Physical Laboratory in 1888. Since then the following buildings have been added to the college equipment: Chase Hall, for lectures and recitations, in 1888; the Cricket Shed in 1893; the enlargement of the nave and the south wing of Alumni Hall in 1898; Lloyd Hall in 1899; the large and well-equipped Gymnasium, presented by the Alumni at a cost of fifty thousand dollars, in 1900; Roberts Hall, the gift of Lucy Branson Roberts, for public lectures and college offices, and Merion Hall, a dormitory, remodelled from the old Grammar School building, in 1903; in 1905, a Dining Hall with offices and kitchen, erected by subscription of graduates and friends of the College; in 1906, a permanent building for the heating and lighting plant; and, in 1907, the enlargement of Merion Hall by remodelling the adjoining gymnasium building, providing accommodations in all for thirty-seven students. The whole of Alumni Hall is now available for the housing of the library, which contains forty-nine thousand volumes. Various donations and bequests were received during these years, and in 1897 the Jacob P. Jones endowment, worth about a million dollars, came into the possession of the College.

During this time Haverford had developed into a fully organized college. Many rules, adapted to boys of boarding-school age, had been modified or abandoned,

though enough restraint was retained to provide against demoralization. The standard of admission was raised. Students of any denomination were admitted. The number of teachers was increased sixfold. The annual charge was increased from two hundred dollars to five hundred dollars,* which still fails to represent what the College has to pay for professors' salaries and the board and care of students.

In Barclay and Lloyd Halls two students occupy a study-room, and each has his private bed-room adjoining. A few single rooms are also available in these Halls and in Founders Hall. Some of the professors live in the halls with the students, and others have houses on the grounds.

The College has a remarkably pleasant and healthful location in the township of Haverford, Delaware County,† Pa., nine miles west of the center of Philadelphia, on the main line of the Pennsylvania Railroad. The buildings are surrounded by grounds of about sixty acres, tastefully laid out, with a great variety of trees and shrubbery. These grounds provide excellent fields for cricket, football, golf, tennis and other field games, a running track, and a pond for skating.

Retaining the old idea of a "guarded education" and "religious care over morals and manners," the College has sought to attain these ideals, and has measurably succeeded, by appeals to Christian principle and manliness rather than by the exercise of arbitrary power.

*According to the situation of the room the price may vary from \$375 to \$575.

†Haverford Post Office is in Montgomery County.

CORPORATION

President.

T. WISTAR BROWN.....235 Chestnut St., Philadelphia

Secretary.

J. STODDELL STOKES....1011 Diamond St., Philadelphia

Treasurer.

ASA S. WING409 Chestnut St., Philadelphia

BOARD OF MANAGERS

Term Expires 1908.

CHARLES HARTSHORNEMerion, Pa.

BENJAMIN H. SHOEMAKER ...205 N. Fourth St., Phila.

WALTER WOOD400 Chestnut St., Phila.

WILLIAM H. HAINES1136 Ridge Ave., Phila.

*WILLIAM H. JENKS,

124 Chestnut Ave., Chestnut Hill, Phila.

FRANCIS A. WHITE.....15 North St., Baltimore, Md.

JONATHAN EVANSAwbury, Germantown, Phila.

JOHN M. WHITALL,

512 Church Lane, Germantown, Phila.

*Resigned 11th mo. 15, 1907.

HAVERFORD COLLEGE

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Term Expires 1909.

EDWARD BETTLE, JR.514 Walnut St., Phila.
 JAMES WOODMt. Kisco, N. Y.
 JUSTUS C. STRAWBRIDGE,
 School Lane, Germantown, Phila.
 ABRAM F. HUSTONCoatesville, Pa.
 SAMUEL L. ALLEN1107 Market St., Phila.
 THOMAS F. BRANSONRosemont, Pa.
 SETH K. GIFFORD,
 Moses Brown School, Providence, R. I.
 CHARLES J. RHOADSGirard Trust Co., Phila.

Term Expires 1910.

†DAVID SCULL113 S. Fourth St., Phila.
 RICHARD WOOD400 Chestnut St., Phila.
 JOHN B. GARRETTRosemont, Pa.
 HOWARD COMFORT529 Arch St., Phila.
 FRANCIS STOKESLocust Ave., Germantown, Phila.
 GEORGE VAUX, JR.404 Girard Building, Phila.
 STEPHEN W. COLLINS ..69 Wall St., New York, N. Y.
 FREDERIC H. STRAWBRIDGE.....801 Market St., Phila.
 T. WISTAR BROWN, *President*,
 235 Chestnut St., Phila.
 HOWARD COMFORT, *Secretary*,
 529 Arch St., Phila.

†Deceased 11th mo. 22d, 1907.

FACULTY

ISAAC SHARPLESS, SC.D., LL.D., L.H.D.

President and Professor of Ethics

ALLEN CLAPP THOMAS, A.M.

Librarian and Professor of History

LYMAN BEECHER HALL, PH.D.

John Farnum Professor of Chemistry

FRANCIS BARTON GUMMERE, PH.D.

Professor of English and German

HENRY SHERRING PRATT, PH.D.

David Scull Professor of Biology

JAMES ADDISON BABBITT, A.M., M.D.

Physical Director and Associate Professor of Physiology

RUFUS MATTHEW JONES, A.M., LITT.D.

Professor of Philosophy

OSCAR MARSHALL CHASE, S.M.

Registrar of the College and Instructor in Drawing

ALBERT SIDNEY BOLLES, PH.D., LL.D.

Lecturer on Commercial Law and Banking

DON CARLOS BARRETT, PH.D.

Dean and Professor of Economics

ALBERT ELMER HANCOCK, PH.D.

Associate Professor of English

HAVERFORD COLLEGE

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LEGH WILBER REID, PH.D.

Professor of Mathematics

WILLIAM WISTAR COMFORT, PH.D.

Associate Professor of Romance Languages

WILLIAM WILSON BAKER, PH.D.

Associate Professor of Greek

FREDERICK PALMER, JR., A.M.

Instructor in Physics

ALFRED COPE GARRETT, PH.D.

Lecturer on Biblical Literature

LEON HAWLEY RITTENHOUSE, M.E.

Instructor in Mechanics and Electricity

WILLIAM HARTAS JACKSON, A.M.

Associate Professor of Mathematics

RICHARD MOTT GUMMERE, PH.D.

Instructor in Latin

THOMAS KITE BROWN, JR., A.M.

Instructor in German

WALTER MANN MITCHELL, PH.D.

Instructor in Astronomy

WILLIAM HENRY COLLINS, A.M.
Superintendent of Buildings and Grounds

CHARLES RUGLAS HOOVER, S.B.

Assistant in the Chemical Laboratory

STUDENTS.

The letters in the last column denote the courses taken. The letter A denotes the Arts course, S the course in General Science, and E the course in Engineering.

TEACHING FELLOWS.

Brown, Thomas Kite, Jr., A.B., A.M. (Haverford College), Westtown, Pa.

Padin, José, S.B. (Haverford College), San Juan, Porto Rico.

GRADUATE STUDENTS.

Haines, Wilbur Hamilton, S.B. (Haverford College), Mount Ephraim, N. J.

Hoover, Charles Ruglas, S.B. (Haverford College), Oskaloosa, Ia.

Lewis, Walter E., S.B. (Penn College), Oskaloosa, Ia.

SENIOR CLASS.

Baily, Fisher Corlies	Ardmore, Pa.	A
Brown, Carroll Thornton	Westtown, Pa.	A
Burt, Howard	Frankford, Pa.	A
Bushnell, Joseph, 3d	Germantown, Pa.	E
Carroll, Dudley DeWitt	Mizpah, N. C.	A
Clement, John Browning	Overbrook, Pa.	A
Crites, Jesse William	Wilmington, O.	S
Drinker, Cecil Kent	South Bethlehem, Pa.	S
Edwards, Edward Aikin	Philadelphia, Pa.	E

HAVERFORD COLLEGE

15

Elkinton, Joseph Passmore	Media, Pa.	A
Emlen, George Williams, Jr.	Germantown, Pa.	A
Hill, Thomas Rothwell	Philadelphia, Pa.	E
Hobbs, Allen Wilson	Guilford College, N. C.	A
Linton, Morris Albert	Moorestown, N. J.	E
Longstreth, Thomas Morris	Philadelphia, Pa.	A
Miller, Charles Lichty	Lancaster, Pa.	A
Morriss, William Haviland, Jr.	Baltimore, Md.	A
Musser, Frederic Omar	Ardmore, Pa.	A
Petry, Loren Clifford	New Paris, Ohio	S
Sargent, Winthrop, Jr.	Haverford, Pa.	A
Scott, Carl Forse	Yonkers, N. Y.	A
Shoemaker, Walter Rodman	Philadelphia, Pa.	A
Strode, George King	West Chester, Pa.	S
Thomas, James Carey	Haverford, Pa.	A
Whitson, Walter Wilkin	Far Rockaway, N. Y.	A
Wing, Stephen Remington	Philadelphia, Pa.	E
Woodard, Raymond Clarence	Haviland, Kans.	A
Wright, Edwin	Columbus, N. J.	S

JUNIOR CLASS.

Bard, George Smith	Mt. Airy, Pa.	E
Brey, Robert Newton	Philadelphia, Pa.	E
Crowell, James White	Avondale, Pa.	S
Deacon, Gerald Hartley	Germantown, Pa.	A
Fay, Percival Bradshaw	Washington, D. C.	A
Febiger, William Sellers	Philadelphia, Pa.	E
Green, John Clinton	Mt. Royal, N. J.	A
Hamilton, Frederick Clifford	Stamford, Conn.	E
Killen, Clarence Creadick	Wilmington, Del.	A

Kitchen, Paul Cliff	Philadelphia, Pa.	A
Lewis, Thomas Krapfel	Merchantville, N. J.	S
Lowry, Alfred, 2d	Philadelphia, Pa.	A
Lutz, Howard Milton	Llanerch, Pa.	A
Miller, Paul Van Reed	Philadelphia, Pa.	A
Moore, Lawrence Clayton	Ercildoun, Pa.	A
Mott, Richard Henry	Philadelphia, Pa.	S
Pennypacker, Joseph Whitaker		
	Haddonfield, N. J.	A
Philips, David Leon	Kennett Square, Pa.	A
Ramsey, Frank McCracken	Sterling, Kans.	S
Ristine, Charles Scott	Bryn Mawr, Pa.	E
Sandt, Walter Correll	Philadelphia, Pa.	A
Sharpless, Thomas Kite	West Chester, Pa.	A
Shoemaker, Edwin	Philadelphia, Pa.	S
Spaeth, Reynold Albrecht	Mt. Airy, Pa.	S
Spiers, Mark Herbert Carver	Wayne, Pa.	S
Stokes, Joseph Warrington	Moorestown, N. J.	S
Taylor, Frederick Raymond	Philadelphia, Pa.	S
Thompson, Charles Baker	Baltimore, Md.	A
Underhill, Robert Lindley Murray		
	Ossining, N. Y.	A

SOPHOMORE CLASS.

Allinson, Edward Page	Bryn Mawr, Pa.	A
Bryant, Henry Earham Collings		
	Lansdowne, Pa.	E
Cadbury, Earl Shinn	Haverford, Pa.	A
Cary, Donald Bush	Baltimore, Md.	E
Clark, Charles Fygis	Philadelphia, Pa.	A

Coates, Sydney Hornor	Berwyn, Pa.	E
David, Edward Wandell	Germantown, Pa.	A
Develin, Joseph Chubb	Philadelphia, Pa.	A
Edwards, Earle Nelson	Philadelphia, Pa.	E
Froelicher, Charles Mitchell	Baltimore, Md.	A
Furness, Harold Alan	Haddonfield, N. J.	E
Hires, Harrison Streeter	Philadelphia, Pa.	A
Hutton, Arthur Webster	Berwyn, Pa.	S
Judkins, William, 3d,	Cincinnati, Ohio	S
Kenderdine, John Donald	Germantown, Pa.	A
Kerbaugh, George Allen	Bryn Mawr, Pa.	A
Lewis, Henry Carvill	Germantown, Pa.	E
Martin, Stuart Thompson	Mt. Airy, Pa.	S
Mason, Samuel, Jr.	Germantown, Pa.	E
Morley, Christopher Darlington		
	Baltimore, Md.	A
Morris, Reginald Hollingsworth		
	Villa Nova, Pa.	S
Palmer, Walter	Media, Pa.	E
Phillips, John Phillips	St. Davids, Pa.	S
Rabinowitz, Samuel Abraham		
	Philadelphia, Pa.	A
Roberts, Alfred Stokes	Moorestown, N. J.	S
Shoemaker, Comly Bird, 2d	Philadelphia, Pa.	E
Spaulding, Eugene Ristine	Oak Lane, Pa.	S
Tomlinson, Willard Pyle	Swarthmore, Pa.	A
Wheeler, Guy Samuel	Germantown, Pa.	S
Whitall, James	Germantown, Pa.	A
Wilson, John French	Flushing, Ohio	A
Zieber, Eugene Ray	Philadelphia, Pa.	S

FRESHMAN CLASS.

Ashbrook, James	Philadelphia, Pa.	A
Birdsall, Daniel Lindley	Bristol, Vt.	E
Bradway, John Saeger	Haverford, Pa.	A
Clarke, James Alexander, Jr.	Devon, Pa.	A
Clark, Jefferson Hamer, Jr.	Philadelphia, Pa.	A
Cloud, William Buchanan	Unionville, Pa.	E
Deane, Philip Bernard	Middleboro, Mass.	E
Downing, John Steele	Elsmere, Del.	S
Fallon, Christopher, Jr.	Wayne, Pa.	E
Ferris, Henry, Jr.	Germantown, Pa.	S
Gallagher, Herbert Van Buren		
	Philadelphia, Pa.	E
Gardiner, William Henry	Lancaster, Pa.	S
Hartshorne, William Davis, Jr.		
	Brighton, Md.	A
Hinshaw, David Scull	Emporia, Kan.	S
Kleinz, William Lee	Merchantville, N. J.	E
McCann, Wilmot Alrich	Germantown, Pa.	S
Mixter, George Washington, Jr.		
	Philadelphia, Pa.	A
Patrick, Jesse Kersey	West Chester, Pa.	A
Post, Levi Arnold	Stanfordville, N. Y.	A
Price, Joseph Haines	West Chester, Pa.	A
Renninger, John Daub	Zieglerville, Pa.	A
Reynolds, David Duer	Kennett Square, Pa.	A
Russell, Edwin Arthur	Cleveland, Ohio	A
Shero, Lucius Rogers	Lancaster, Pa.	A
Smith, Gibson	Philadelphia, Pa.	A
Spencer, Ebenezer Hall	Moorestown, N. J.	A
Stuccator, Henry Bernard	Germantown, Pa.	A
Taylor, Howard Gardiner, Jr.	Riverton, N. J.	A

HAVERFORD COLLEGE

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Tostenson, Frederick Oscar	Le Grand, Iowa	S
Tunis, Richard	Media, Pa.	S
Wadsworth, Charles, 3d	Philadelphia, Pa.	A
Wilbur, William Hale	Springfield, Mass.	S
Winslow, Caleb	Baltimore, Md.	A
Worthington, Harold	New York, N. Y.	E
Young, Alan Sedgwick	Germantown, Pa.	S
Young, Wilmer Job	Whittier, Iowa	S

SPECIAL STUDENTS.

Calley, Donald MacMackin	Upland, Pa.
Clark, Thomas Noah	Haverford, Pa.
Dent, Roscoe Walter	Allentown, Pa.
Eshleman, Rodney Mercur	Lancaster, Pa.
Gheen, Evan Pennock	West Chester, Pa.
Guenther, Jacob Jarden	Philadelphia, Pa.
Haines, Carroll Austin	Philadelphia, Pa.
Hill, Allan Janney	Minneapolis, Minn.
Leonard, Arthur Cheney	Wayne, Pa.
Lufkin, Harold Marshall	Parkesburg, Pa.
Myers, Frederick A., Jr.	Philadelphia, Pa.
Palmer, Lewis	Media, Pa.
Warnock, Aaron Degrauw	Jamaica, N. Y.

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REQUIREMENTS FOR ADMISSION .

Candidates for the Freshman Class are admitted on examination. No certificates are accepted.

Examinations are held twice a year, in the Sixth and the Ninth month, at the College, except in cases of distant candidates, for whom special arrangements may be made.

In 1908 the dates will be as follows:—

Sixth month 11th, and Ninth month 21st.

9.00-10.00 Latin Composition.

10.00-11.30 Latin Prose Authors.

11.30-12.45 { Latin Poets.
English History.

1.30- 3.30 Algebra.

3.30- 4.30 { Greek Composition.
Physics.

Sixth month 12th, and Ninth month 22d.

9.00-11.15 French.

9.00-10.30 Xenophon.

10.30-11.45 Homer and Sight Translation.

11.45-12.45 { Greek History.
U. S. History.

1.30- 3.00 English.

3.00- 5.00 German.

Sixth month 13th, and Ninth month 23d.

9.00-11.00 Plane Geometry.

11.00-12.00 Roman History.

A candidate may pass a preliminary examination in some of his studies and be examined in the remaining studies in a subsequent year. A certificate will be given for the studies passed. No student will be admitted to a preliminary examination without a certificate from his teacher specifying the subjects in which he is prepared. The examinations of the College Entrance Examination Board of the Middle States and Maryland will be accepted in place of corresponding Haverford examinations.

Candidates for Corporation scholarships (see page 77) must take all their examinations not later than the Sixth month of the year of entry.

SUBJECTS FOR ADMISSION.

I. For the Course in Arts:—

*English, Algebra, Plane Geometry, Latin, two Histories,† and one of the following:

- (a) Greek;
- (b) German and French;
- (c) German and Physics;
- (d) French and Physics.

*For definitions of these subjects, see pages 23-28.

†Candidates presenting the Greek language must offer Grecian History, and candidates presenting Latin, Roman History.

II. *For the Courses in Science:—*

In 1908: *English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), and one of the following:

- (a) Any two Histories;
- (b) Any one History with Physics.

In 1909 and thereafter: *English, Algebra, Plane Geometry, any two of the four languages (Greek, Latin, German, French), any two Histories, and Physics.

Students not able to pass all the examinations may be admitted with a few conditions. Each case will be decided on its merits.

Students not candidates for degrees may be permitted to pursue special courses, for proficiency in which certificates may be granted; but this permission will be given only to students of ability and character sufficient to insure their success.

Candidates may be admitted to advanced classes if found proficient in all the preliminary studies of the course. Each case will be considered on its merits.

Every candidate must forward, together with his application, a certificate of good moral character from his last teacher; and students from other colleges must present certificates of honorable dismissal.

*For definitions of these subjects see pages 23-28.

ENTRANCE EXAMINATION REQUIREMENTS.

ENGLISH.*

A. Reading.—Certain books are selected for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter. The form of examination will usually be the writing of a paragraph or two on each of the several topics, to be chosen by the candidate from a considerable number set before him in the examination paper. The treatment of these topics should show the candidate's power of clear and accurate expression and will call for only a general knowledge of the substance of the books.

The books selected for the examinations to be held for entrance in 1908 will be Shakespeare's *The Merchant of Venice* and *Macbeth*; Addison's *The Sir Roger de Coverley Papers* in the *Spectator*; Irving's *Life of Goldsmith*; Coleridge's *The Rime of the Ancient Mariner*; Scott's *Ivanhoe* and *The Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine* and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

For entrance in 1909, 1910, 1911 the candidate will choose ten books, under the restrictions indicated, from the following groups:

Group I (two to be selected).

Shakespeare's *As You Like It*, *Henry V*, *Julius Cæsar*, *The Merchant of Venice*, *Twelfth Night*.

*NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

Group II (one to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress, Part I*; *The Sir Roger de Coverley Papers* in the Spectator; Franklin's *Autobiography*.

Group III (one to be selected).

Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury (First Series) Books II and III*, with especial attention to Dryden, Collins, Gray, Cowper and Burns.

Group IV (two to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens' *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone*.

Group V (two to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays (Selected)*; Ruskin's *Sesame and Lilies*.

Group VI (two to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury (First Series) Book IV*, with especial attention to Wordsworth, Keats and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and*

Rustum; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Evelyn Hope*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *The Boy and the Angel*, *One Word More*, *Hervé Riel*, *Pheidippides*.

B. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon the subject-matter, style and construction.

The books selected for the examination to be held for entrance in 1908 will be: Shakespeare's *Julius Cæsar*; Milton's *L'Allegro*, *Il Penseroso*, *Comus*, and *Lycidas*; Burke's speech on *Conciliation with America*; Macaulay's essays on *Addison* and *Johnson*.

The books set for this part of the examination will be, for entrance in 1909, 1910, 1911: Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's speech on *Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

The English examination may be taken in two parts.

MATHEMATICS.

Algebra A.—The four fundamental operations, factoring, highest common factor, least common multiple, the solution of equations of the first degree in one or more

unknown quantities, problems leading to such equations, powers and roots, radicals including extraction of square roots of polynomials and numbers, and fractional and negative exponents.

Algebra B.—Quadratic equations in one or two unknown quantities, ratio and proportion, arithmetical and geometrical progressions, permutations and combinations, and the binomial theorem for a positive integral exponent.

Plane Geometry.—The demonstration of theorems and constructions as found in the usual text-books. Simple original theorems, constructions and numerical exercises.

Students should have at their command a knowledge of the principal theorems, so that they may be able to apply them.

SCIENCE.

Elementary Physics. In 1909 and thereafter this examination will occupy one and one-half hours, and will be based on one year's work, covering mechanics, sound, heat, light and electricity. All students who have had laboratory work will be required to leave their laboratory note-books with the instructor at the time of examination.

HISTORY.

- (a) Grecian History to the death of Alexander.
- (b) Roman History to the death of Marcus Aurelius.
- (c) English History.
- (d) United States History, including the periods of discovery and colonization.

GREEK.

(a) Xenophon, *Anabasis*, Books I-IV; Homer, *Iliad*, Books, I-III, omitting the Catalogue of Ships. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English, (b) The translation at sight of simple Attic prose, and his ability to translate into idiomatic English. passage based upon some portion of the Xenophon prescribed.

LATIN.

(a) Cæsar, the *Gallic War*, Books I-IV; Cicero, the speech on the *Manilian Law*, the four against *Catiline* and the speech for *Archias*; Virgil, the *Aeneid*, Books I-VI. Other books of Cæsar or speeches of Cicero may be substituted for those mentioned, if due notice is given. The examination will be designed to test the candidate's knowledge of grammatical forms and constructions, and his ability to translate into idiomatic English. (b) The translation at sight of simple Latin prose or verse. (c) The translation into Latin of a simple English passage, based upon some portion of the Cicero or Cæsar prescribed.

GERMAN.

(a) The translation at sight of ordinary German prose. The passage set for translation must be rendered into correct idiomatic English. (b) The translation into German of simple English sentences or of easy

connected prose, to test the candidate's familiarity with the grammar. (c) Special emphasis will be laid upon proficiency in grammar.

The passages set for translation into English will be suited to the proficiency of the candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in German (German A, page 38) will be adequate for preparation.

FRENCH.

(a) The translation at sight of ordinary French prose. The passages set for translation must be rendered into correct idiomatic English. (b) The translation into French of simple English sentences or of easy connected prose. (c) Special emphasis will be laid upon proficiency in grammar, including the conjugation of the more common irregular verbs.

The passages set for translation into English will be suited to the proficiency of candidates who have read not less than three hundred pages, including reading at sight, from the works of at least three different authors. The books read during the first year's course in French (French A, page 40) will be adequate for preparation.

COURSES OF INSTRUCTION.

I. COURSE IN ARTS *leading to the degree of Bachelor of Arts.*—Latin and one other language presented for admission must be continued during the Freshman and Sophomore years.* All courses given in any department are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

COURSE LEADING TO THE DEGREE OF
BACHELOR OF ARTS.

In laboratory and gymnasium work, two and one-half hours must be taken for each hour given below.

FRESHMEN.

	Hours per week.
Greek I or German I or French I.....	4
Latin I	4
English I and II	3
Mathematics I	4
History I	2
Biblical Literature III.....	1
Biology I and Physical Training.....	2

*If three languages are presented for admission, Latin and one of the other languages offered must be continued during the Freshman and Sophomore years. The third language may be continued when the daily program and the number of hours taken by the student permit.

SOPHOMORES.

Greek II or German II or French II.....	3
Latin II	3
English III	2
*Mathematics II or Chemistry I	4
*Physics I or Biology II	4
Biblical Literature II or III	1
Physical Training	2

JUNIORS.

Greek or Latin or Mathematics	3
English IV or V	1
Economics I	2
Philosophy I	2
Biblical Literature II, III or V	1
Electives	7

SENIORS.

English IV or V	1
Philosophy V	2
Biblical Literature II or IV	1
Electives	12

*In place of either of these groups students who take both Greek and Latin may elect four hours of advanced Greek or Latin, or German I, or French I.

II. COURSE IN SCIENCE *leading to the degree of Bachelor of Science.*—This course is divided into four sections:

(a) *Course in General Science.*—The elective list is practically the same as in the course in Arts.

(b) *Course in Mechanical Engineering.*—This course consists largely of mathematics, applied science and work in the shop and drawing-room.

(c) *Course in Electricity.*—Electricity is substituted for the special mechanical work of Course (b) during the last two years.

(d) *Chemical and Preparatory Medical Course.*—This course has the double purpose of training specialists in chemistry and of preparing students to enter medical schools. These objects may be obtained by proper electives in the courses in Arts and General Science.

The table on the next page presents the requirements in each of the Science courses.

COURSES LEADING TO THE DEGREE OF BACHELOR OF SCIENCE.

	GENERAL SCIENCE.	ENGINEERING.
FRESHMEN.	Biblical Lit. III.....*1 English I and II 3 History I 2 Mathematics I..... 4 German I 4 French I 4 Biology I and Physical Training 2	Biblical Lit. III.....*1 English I and II..... 3 History I 2 Mathematics I..... 4 German I or French I 4 Engineering III 2 Engineering IV 2 Biology I and Physical Training 2
SOPHOMORES.	Biblical Lit. III 1 English III 2 Mathematics II or Chemistry I 4 Physics I or Biology II... 4 German II..... 3 French II 3 Physical Training 2	Biblical Lit. III 1 English III 2 Mathematics II 4 Physics I 4 German II or French II... 3 Engineering III 2 Engineering IV 2 Physical Training 2
JUNIORS.	Biblical Lit. III or V..... 1 Economics I 2 Philosophy I 2 English IV or V 1 Natural or Physical Science or Mathematics 6 Electives 4	Biblical Lit. III or V 1 English IV or V 1 Mathematics III 3 Engineering I or II..... 2 Engineering III and V..... 2 Engineering IV or Physics VI 2 Chemistry I 4 Electives 2
SENIORS.	Biblical Lit. IV 1 English IV or V 1 Philosophy V 2 Electives 12	Biblical Lit. IV 1 English IV or V 1 Philosophy V 2 Mathematics IV 3 Engineering I or II, or Physics VIII 2 Engineering III or IV, or Physics or Chemistry.... 2 Physics VI or VII 2 Electives 3

*Figures in these columns indicate hours per week. In laboratory, gymnasium and shop-work, two and one-half hours must be taken for each hour here indicated.

GREEK.

Greek I and II are required, respectively, of Freshmen and Sophomores in the Arts course who, to fulfill the admission linguistic requirements, present Greek and Latin only. These, together with the other Greek courses, are open as electives.

A. *Course for Beginners.* Thorough study of the elements of the language, followed by the reading of simple Attic prose. Xenophon, *Anabasis*; selections from other authors. This course is given in alternate years.

Dr. R. M. Gummere; 3 hours.

I. Lysias, *Select Orations*; Lucian, *Selections*; Homer, *Odyssey*. Sight reading. Greek composition.

Professor Baker; 4 hours.

II. Plato, *Euthyphro*, *Apology*, *Crito* and selections from *Phaedo*; selections from Aristophanes, *Clouds*; Aeschylus, *Prometheus*; Euripides, *Iphigenia among the Taurians*. Sight reading. History of Greek Literature.

Professor Baker; 3 hours.

III. Thucydides, Books VI and VII; Sophocles, *Oedipus Tyrannus*; Euripides, *Medea*; Aristophanes, *Frogs*. Study of other plays in English translation.

Professor Baker; 3 hours.

IV. Plato, *Republic*; Demosthenes, *On the Crown*, with selections from Aeschines, *Against Ctesiphon*.

Professor Baker; 3 hours.

V. Advanced Greek Prose Composition.

Professor Baker; 1 hour.

VI. *The Greek Drama*. This course is designed primarily for men who have not studied Greek, but wish to get some idea of the literature. It will include (1) lectures on the Greek drama; its history, its characteristic features, and its subsequent influence; (2) collateral reading on the subjects treated in the lectures; (3) reading in translation of selected plays of Aeschylus, Sophocles, Euripides, and Aristophanes.

Professor Baker; 2 hours.

[Not given in 1907-08.]

LATIN.

Latin I and II are required, respectively, of Freshmen and Sophomores in the Arts course, and, together with the other Latin courses, are open as electives.

I. Selections from Livy; Horace, *Epistles*; Virgil, *Bucolics* and *Fourth Georgic*. Translation at sight. Prose composition.

Dr. R. M. Gummere; 4 hours.

II. Cicero, *De Amicitia*; Catullus; Horace, *Odes* and *Epodes*. Translation at sight. History of Latin Literature.

Professor Baker; 3 hours.

III. The principal Satires of Juvenal and Horace; Tacitus, *Annals*, Books I-VI. Translation at sight.

Dr. R. M. Gummere; 3 hours.

IV. Terence, *Adelphoe*; Plautus, *Menaechmi*; selec-

tions from Lucretius; Quintilian, *Institutio Oratoria*, Book X. Translation at sight.

Dr. R. M. Gummere; 3 hours.

V. Advanced Latin Composition.

Dr. R. M. Gummere; 1 hour.

ENGLISH LANGUAGE AND LITERATURE.

English Ia, Ib and II are required of all Freshmen; English III of all Sophomores, and English IV of all Seniors and Juniors except those electing English V. The other courses are elective for Seniors and Juniors. No student will be graduated who cannot write a creditable style extemporaneously.

Ia. *Freshman English*. The elements of rhetoric and studies in style. Genung, *Handbook of Rhetorical Analysis*. Extemporaneous speeches.

Professor Hancock; 2 hours, first half-year.

Ib. *American Literature*. A brief historical and critical survey of American letters. Wendell, *A Literary History of America*. Extemporaneous speeches. Weekly themes.

Professor Hancock; 2 hours, second half-year.

II. *Freshman English Literature*. Lectures on the foundations of English literature, and on its development down to the time of Shakespeare. Readings and reports.

Professor Gummere; 1 hour.

III. *Sophomore English*. Lectures on rhetoric and the appreciation of literature. Readings from selected authors. Weekly themes. Extemporaneous speeches.

Professor Hancock; 2 hours.

IV. *Senior and Junior English*. Essays, extemporaneous themes and general readings in literature, history and biography. The regulations of this course will be found, in detail, in the printed pamphlet.

Professor Hancock; 1 hour.

V. *Advanced Themes*. Lectures on the principles of literary art and method. Regular practice in the various forms of composition.

Professor Hancock; 1 hour.

VIa. *Forensics*. Advanced work in extemporaneous speaking. Occasional addresses and debates. Readings in the British and American orators.

Professor Hancock; 1 hour.

VIb. *Public Speaking*. Addresses on social and political topics. Arguments and pleas for civic reforms. This course is open only to those who have taken VIa and the class is limited to twelve members.

Professor Hancock; 1 hour.

VII. *Early English*. Bright, *Anglo-Saxon Reader*. *Elene*. *Béowulf*.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

VIII. *Middle English*. English literature in the thirteenth and fourteenth centuries. Chaucer, *Canterbury Tales*. English and Scottish Ballads. Lectures and readings.

Professor Gummere; 2 hours.

IX. *Elizabethan Literature*. Lectures on the development of English literature, particularly of the drama, down to Shakespeare. Readings of old plays and Elizabethan masterpieces. All the plays of Shakspeare, three read critically in class.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

X. *English Literature of the Seventeenth Century*. Lectures, with readings in the general literature, and a special study of Milton. Selections from the Minor Poems, the *Comus* and certain books of *Paradise Lost*, with the whole of *Samson Agonistes*, are read in class.

Professor Gummere; 1 hour.

XI. *Modern English Prose Writers*. Lectures on the lives and works of Steele, Addison, Defoe, Swift, Johnson, Goldsmith, Burke, Fielding, Sterne, De Quincey, Lamb, Landor, Hazlitt, Carlyle, Arnold, Ruskin, Dickens, Thackeray, George Eliot and others. Collateral readings and reports.

Professor Hancock; 2 hours.

[Not given in 1907-08.]

XII. *English Poetry of the Nineteenth Century*. Lectures on the lives and works of Burns, Coleridge, Words-

worth, Shelley, Byron, Keats, Arnold, Tennyson and Browning. Collateral readings and reports.

Professor Hancock ; 2 hours.

GERMAN.

For the German requirements in the Arts and Science courses see pages 29-32. All German courses are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

Students wishing to qualify for German I may do so by passing either the examination in German A or the entrance examination in Sixth month or Ninth month.

A. *Course for Beginners.* German grammar and reading exercises. Duerr, *Essentials of German Grammar*; Guerber, *Märchen und Erzählungen*; Heyse, *L'Arabiata*; Storm, *Immensee*; Hauff, *Die Karawane* and *Das kalte Herz*.

T. K. Brown, Jr. ; 3 hours.

I. *Freshman German.* A course in the rapid reading of representative German writers. Lessing, *Minna von Barnhelm* and *Emilia Galotti*; Schiller, *Wilhelm Tell* and *Die Jungfrau von Orleans*; Goethe, *Hermann und Dorothea*; Heine, *Buch der Lieder*; Bürger, *Lenore*. Practice in sight reading. In addition the members of the class will read privately Dahn, *Ein Kampf um Rom*; Sudermann, *Frau Sorge*; von Scheffel, *Der Trompeter von Säckingen*; Fouqué, *Undine*.

T. K. Brown, Jr. ; 4 hours.

II. *Sophomore German*. Goethe, *Faust* and *Iphigenie*; Schiller, *Wallenstein*. Selections from classic authors. Readings.

Professor Gummere; 3 hours.

III. *German Prose Composition*. Von Jagemann, *German Syntax*. Rapid review of German grammar with particular regard to idiomatic usage. Weekly conversations and discussions of literary masterpieces, in German. Private reading of German authors. Translation into German of easy English prose.

T. K. Brown, Jr.; 2 hours.

IV. *Scientific German*. Rapid reading in class of difficult prose in science, history and philosophy, together with private reading of some treatise on a special subject chosen by the student and approved by the instructor. Wait, *German Science Reader*.

T. K. Brown, Jr.; 2 hours.

V. *Middle High German*. Paul, *Mittelhochdeutsche Grammatik*; *Das Nibelungenlied*; poems of Walther von der Vogelweide.

Professor Gummere; 2 hours.

FRENCH.

For the French requirements in the Arts and Science courses see pages 29-32. All French courses are elective for Seniors and Juniors who have satisfactorily completed the prerequisites.

Students wishing to qualify for French I may do so by

passing either the final examination in French A or the entrance examination in Sixth month or Ninth month.

A. *Course for Beginners.* A course to give the student an elementary knowledge of grammar and a fair reading knowledge of the language. The following books are used: Fraser and Squair, *French Grammar*; Bruno, *Tour de la France*; Halévy, *L'Abbé Constantin*; Bedollière, *La Mère Michel et son Chat*; Labiche, *Le Voyage de Monsieur Perrichon*.

Professor Comfort; 3 hours.

I. *Freshman French.* Grammar work continued and rapid reading. The following books are used: Fraser and Squair, *French Grammar*; Lamartine, *Graziella*; Loti, *Pêcheur d'Islande*; Daudet, *Contes*; Mérimée, *Chronique du Règne de Charles IX*; Hugo, *Hernani*; Super, *Histoire de France*; Corneille, *Le Cid*; Molière, *L'Avare*; La Fontaine, *Fables*.

Professor Comfort; 4 hours.

II. *Sophomore French.* Rapid reading of French classics of the seventeenth and nineteenth centuries. The following authors are read: Corneille, Racine, Molière, Bossuet, Hugo, Lamartine, Musset, Daudet, Coppée, Maupassant, Renan. In connection with the above the class makes use of Petit de Julleville, *Leçons de Littérature Française* and Fortier, *Sept Grands Auteurs du Dix-neuvième Siècle*.

Professor Comfort; 3 hours.

III. A lecture course treating the history of French literature from its origins to the present time. Attention

is especially directed to the study of literary tendencies, the development of the national spirit, and the relations of the literature of France to that of other countries. A large amount of outside reading, with written reports, is called for. This course is conducted in French, and is open only to students who have passed creditably in French II.

[Not given in 1907-08.]

Professor Comfort; 2 hours.

IV. A course in French conversation and advanced composition. This course may be elected only after consultation with the instructor.

Professor Comfort; 2 hours.

SPANISH.

I. An elementary course intended for those who wish the essentials of the Spanish language, either for a business career or for literary work. The following books are used: Hills and Ford, *A Spanish Grammar*; Padre Isla, *Gil Blas de Santillana*; Alarcón, *Capitán Veneno*; Moratín, *El Sí de las Niñas*; Calderón, *La Vida es Sueño*.

Professor Comfort; 3 hours.

ITALIAN.

I. An elementary course in reading Italian. Grandgent, *Italian Grammar*; Bowen, *Italian Readings*, are used. The following authors are read: Goldoni, Boccaccio, Dante.

Professor Comfort; 3 hours.

[Not given in 1907-08.]

MATHEMATICS.

The courses in mathematics are arranged as far as possible to suit the needs of those students who (1) take them as part of their required Freshman and Sophomore work and do not intend to proceed further in mathematics, (2) elect them as a minor subject and take either physics, engineering or astronomy as a major subject, (3) take them as part of the required work of the Engineering course, or (4) elect them as a major subject.

Courses I, II, III and IV are given every year and XIV in alternate years. The electives to be offered in any one year will be such as the needs of the department may require. Courses on certain subjects other than those named below may be arranged by consultation either for undergraduates or graduates.

In the Library will be found some of the principal journals, treatises and collected works. There are also libraries near by where other works and journals may be consulted. In one of the lecture rooms is a collection of mathematical models.

Courses Ia, Ib, Ia', and Ib' are required of all Freshmen.

Courses C, D and E are optional, and are open only to students having a high grade in the required work.

Courses IIa and IIb are for Sophomores.

Courses IIIa and IIIb are required of Engineering students in their Junior year and should, in general, be taken by students electing mathematics in the Junior year.

Courses IVa and IVb are required of Engineering students in their Senior year.

Ia and Ib. *Algebra*; including infinite series, undetermined coefficients, the binomial theorem for fractional and negative exponents, logarithms, probability, determinants, and the elements of the theory of equations. Fine, *College Algebra*.

Professor Reid; 2 hours.

Ia'. *Trigonometry*; the elements of plane trigonometry, including the solution of right and oblique plane triangles with application to practical problems. Lyman and Goddard, *Plane Trigonometry*.

Professor Jackson; 2 hours, first half-year.

Ib'. Solid Geometry and Mensuration. Jackson, *Elementary Solid Geometry*.

Professor Jackson; 2 hours, second half-year.

C. *Special Topics in Algebra*.

Professor Reid; 1 hour.

D. *Special Topics in Trigonometry and Solid Geometry*, including Spherical Trigonometry.

Professor Jackson; 1 hour.

Ila. *Plane Analytic Geometry*, including that of the curves of the second degree. Tanner and Allen, *Analytic Geometry*.

Professor Jackson; 4 hours, first half-year.

E. *Plane Analytic Geometry*. This course is a continuation of Ila.

Professor Jackson, 2 hours, second half-year.

Iib. *Differential Calculus*, with applications. McMahon and Snyder, *Differential Calculus*.

Professor Jackson; 4 hours, second half-year.

IIIa. *Integral Calculus*, with applications. Murray, *Integral Calculus*.

Professor Reid ; 3 hours, first half-year.

IIIb. *Differential Equations*, elements. *Analytic Geometry of Three Dimensions*, the plane, straight line and quadric surface.

Professor Reid ; 3 hours, second half-year.

IVa. *Elementary Statics and Dynamics*. Jeans, *Theoretical Mechanics*.

Professor Jackson ; 3 hours, first half-year.

IVb. *Dynamics of a Particle, Elementary Rigid Dynamics and Hydrostatics*. Jeans, *Theoretical Mechanics*.

Professor Jackson ; 3 hours, second half-year.

V. *Introduction to the Theory of Functions*. Prerequisite, IIIa. Harkness and Morley, *Introduction to Analytic Functions*.

Professor Reid ; 3 hours.

VI. *Theory of Equations*; including an introduction to the Galois theory. Cajori, *Theory of Equations*.

Professor Reid ; 2 hours, half-year.

VII. *Differential Equations*. The subject will be treated on lines similar to those of Forsyth's text-books. Prerequisite, IIIa.

Professor Reid ; 2 hours, half-year.

VIII. *The Differential Equations of Physics*, with simple applications

Professor Jackson; 2 hours, half-year.

IX. *Introductory Theory of Vibrations*.

Professor Jackson; 2 hours, half-year.

[Not given in 1907-08.]

X. *Introduction to Hydrodynamics*.

Professor Jackson; 2 hours, half-year.

[Not given in 1907-08.]

XI. *Introduction to Modern Geometry*.

Professor Reid; 2 hours, half-year.

[Not given in 1907-08.]

XII. *Analytic Geometry of Three Dimensions*. Theory of surfaces and curves in space. C. Smith, *Solid Geometry*.

Professor Reid; 2 hours, half-year.

[Not given in 1907-08.]

XIII. *Advanced Mechanics*. This course is a continuation of Courses IVa and IVb. It includes the methods by which the general principles of mechanics are applied to the solutions of various physical problems. Thomson and Tait, *Natural Philosophy*.

Professor Jackson, 3 hours.

[Not given in 1907-08.]

XIV. *Descriptive Geometry*. This course is required of Engineering students and is given in alternate years.

Professor Reid; 2 hours, first half-year.

[Not given in 1907-08.]

HISTORY.

History I is required of all Freshmen. The other courses are elective for Seniors and Juniors.

I. *History and Politics*. This course affords a general survey of the political and constitutional development in the United States and the chief states of modern Europe. Emphasis is laid upon the elementary principles of government and upon the actual working of the governments of the United States and England. The work is conducted by means of text-books, informal lectures and collateral reading.

President Sharpless and Professor Barrett; 2 hours.

II. *American History*. Colonial history to 1783.

Professor Thomas; 3 hours.

[Not given in 1907-08.]

III. *American History*. Constitutional and political history of the United States from 1783 to 1870.

Professor Thomas; 3 hours.

Courses II and III are usually given in alternate years.

They are intended to show historic development, the relation of cause and effect, and to awaken in the student a consciousness of historic proportion and a sound critical sense. The instruction consists chiefly of lectures, with required private reading, consultation of authorities, frequent reports in the lecture room on special reading, and occasional essays on assigned topics. The College Library is well supplied with reference books and historical literature.

IV. *Medieval History.* This course includes a survey of the civilization of Europe at the beginning of the Middle Ages and deals with the decline of the Roman Empire; the Gothic invasion; the rise and fall of Saracen civilization; the growth and decay of Charlemagne's empire; Feudalism; the Crusades; the conflicts between the Empire and the Papacy; the Reformation.

Dr. Bolles; 2 hours.

POLITICAL SCIENCE.

Economics I is required of all Juniors in the Arts and General Science courses. The other courses in Political Science are elective for Seniors and Juniors.

A. ECONOMICS.

I. *Outlines of Economics.* A general introduction to the subject. The greater part of the year is taken up with a study of the principles of the science, based upon Seager, *Introduction to Economics*, and similar books. The latter part of the course is devoted to applications of economic principles.

Professor Barrett; 2 hours.

II. *Economic History of the United States.* A general survey since 1750. A study is made of the important factors in our social, industrial and commercial life leading up to our present economic status. Among the subjects considered are: colonial conditions before and after the Revolution; important measures in our financial history; the tariff policy and the growth of

industries; the development of transportation facilities with special reference to the history and problems of railways and shipping; the problem of the trusts. This course may be taken with Economics I.

Professor Barrett; 2 hours.

III. *Economic Problems.* The labor problem and socialism. A study is made of the factory system, labor organizations, labor legislation, strikes, courts of arbitration, etc. The history of socialism and the aims and methods of socialistic organizations are investigated.

Professor Barrett; 3 hours, first half-year.

IV. *Money.* The ways and means of making payments and the effects produced upon prices, trade and industry. A study is made of the principles of money; bank-credit and its uses in the form of deposits and different systems of bank-note issues; paper money and the problems connected with the suspension of specie payment in the United States from 1861 to 1879; commercial crises; stock exchanges. Conditions in the United States receive special attention. This course may be taken profitably with Economics VI.

Professor Barrett; 3 hours, second half-year.

V. *Commercial Law.* An exposition of the leading principles of the law relating to contracts; who can make them; what assent is needful; what consideration is required; how they are interpreted and enforced. Also the law relating to particular subjects: sales, carriage of goods and passengers, agency, partnership, negotiable

paper, checks, guaranty, surety, payments, interest, shipping, insurance, deeds and loans, and corporations.

Dr. Bolles; 2 hours, first half-year.

VI. *Banking*. The practice and most important legal principles of banking; the methods of raising the capital; modes of organizing national and state banks, savings banks, trust and finance companies; the resources of a bank and the modes of lending them; the duties of its directors, president, cashier, tellers, bookkeepers and other officials; public and private examinations and audits. This course may be taken profitably with Economics IV.

Dr. Bolles; 2 hours, second half-year.

B. GOVERNMENT.

I. *Expenditure and Revenue*. A description of the mode of expending and collecting the revenues of the national and state governments. The functions of government are briefly set forth and expenditures are classified. The mode of making expenditures by the different departments of the national government is then discussed, followed by a description of the bills appropriating money. The different kinds of taxes are next considered, the principles on which the laws are based, and the modes of administering them. The expenditures and revenues of the state are treated in the same manner.

Dr. Bolles; 1 hour.

II. *Blackstone*. As required by many of the law schools for admission or afterward as an outside reading

course. Given in alternate years. Class work comprises bi-weekly quizzes and explanations of the more difficult and important parts of the work.

Dr. Bolles; 2 hours.

[Not given in 1907-08.]

BIBLICAL LITERATURE.

II. *Greek Testament*. Interpretation of the Pauline Epistles. This course is continued through three years.

Professor Baker; 1 hour.

III. *Biblical Literature in English*. This course extends through three years. It is required of all Freshmen, and consists during the Freshman year of a survey of the history and literature of the Bible from the beginning of Hebrew history down to the close of the Apostolic age.

In the Sophomore and Junior years courses are alternately given on *The Teaching of Jesus* and on *The Kingdom of God*.

Professor Jones; 1 hour.

IV. *Biblical Literature in English*. This course is similar to III, and is a continuation of its work. It is a survey of the life and letters of Paul, brought as far as possible into chronological connection, with some attention to his special teachings.

Dr. Garrett; 1 hour.

V. *The Literary Study of the English Bible*. The Book of Job, with selections from the Psalms and other

books, is read in class. Lectures on the English of the Bible, and on its literary form.

Professor Gummere; 2 hours.

[Not given in 1907-08.]

PHILOSOPHY.

I. *Psychology*. A course in general psychology. James, *Psychology* (briefer course), is used as a text-book, supplemented by lectures. A short series of lectures is also given on logic.

Professor Jones; 2 hours.

II. *Interpretation of the New Testament*. This course is devoted to a search for the original message of Christianity as expressed by the writers of the Gospels and Epistles. It consists of lectures, readings and theses. The work is all done in English.

Professor Jones; 2 hours, first half-year.

III. *Development of Christian Thought*. An examination of the great types of religious thought which have prevailed at different epochs in the history of the Church, such as the Alexandrian conception of Christianity, the Latin, the Calvinistic, and the Quaker conception. Lectures, readings and theses.

Professor Jones; 2 hours, second half-year.

IV. *History of Philosophy*. The chief systems of philosophy from the earliest period down to modern times. The development of theories of idealism receives especial attention. The text-books required are Rogers, *A Stu-*

dent's History of Philosophy, and Royce, *The Spirit of Modern Philosophy*, with other reading. Lectures, discussions and theses.

Professor Jones; 2 hours.

Va. Ethics. The important ethical theories are studied historically with a view of discovering a satisfactory criterion or basis of moral action. Each student is expected to make an exposition of some one representative system. The books from which selection is to be made are Muirhead, *Elements of Ethics*; Spencer, *Data of Ethics*; Mackenzie, *Manual of Ethics*; Green, *Prolegomena to Ethics*. Lectures and theses.

Professor Jones; 2 hours, first half-year.

Vb. Ethics. In this course are considered current problems of practical ethics.

President Sharpless; 2 hours, second half-year.

VI. Religious and Philosophical Movements. This course is for advanced students only, and is conducted on the seminar method. Different epochs are studied from year to year.

Professor Jones; 2 hours, in the evening.

[Not given in 1907-08.]

ASTRONOMY.

The Haverford Observatory affords students the means of becoming familiar with the use of astronomical instruments, and of acquiring, from actual observation, a practical acquaintance with astronomy.

It contains two equatorial telescopes, one by Clark,

with an object-glass 10 inches in diameter, with filar micrometer, and eyepieces; and one with an object-glass $8\frac{1}{4}$ inches in diameter by Fitz; a Newtonian reflector with a silver-on-glass speculum $8\frac{1}{4}$ inches in diameter; a Grubb prismatic spectroscope; a meridian circle of $3\frac{3}{4}$ inch aperture; a combined transit and zenith telescope of $1\frac{3}{4}$ inch aperture; two sextants; a mean time, and a sidereal time clock, both being electrically connected with a chronograph by Bond.

The latitude of the Observatory is $40^{\circ} 0' 40.1''$ north, its longitude 5 h. 01 m. 12.70 sec. west of Greenwich.

Ia. Elementary Astronomy. Mainly descriptive, exhibiting the leading facts of astronomy and an elementary explanation of the methods by which they are ascertained. Recitations on text-book with lectures. Young, *Manual of Astronomy*.

Dr. Mitchell; 3 hours, first half-year.

Ib. Practical Astronomy. The use of the transit, sextant, and theodolite in the determination of time, latitude and azimuth. Campbell, *Practical Astronomy*, with use of the *American Ephemeris*. Prerequisite, Astronomy Ia and Spherical Trigonometry.

Dr. Mitchell; 3 hours, second half-year.

[Not given in 1907-08.]

II. Practical Astronomy. Continuation of Course Ib. Special subjects will be taken up to meet the needs of the student.

Dr. Mitchell; 2 hours.

[Not given in 1907-08.]

III. *Astrophysics*. Theory of the instruments used in modern astronomical research. Physical characteristics of the heavenly bodies, and the theories of their constitution. Lectures with collateral reading. Prerequisites, Mathematics III (Calculus), Physics I.

Dr. Mitchell; 1 hour.

[Not given in 1907-08.]

SURVEYING.

I. *Elementary Surveying*. The theory and use of the compass, level, and transit. Field practice, including the complete survey of a tract of land. Barton, *Elements of Surveying*.

Dr. Mitchell; 1 hour.

BIOLOGY.

The biological laboratory is amply equipped with microscopes, reagents and all other necessary apparatus and appliances. It also contains several hundred biological works and zoölogical, anatomical and botanical charts.

The courses of the department are arranged so that students intending to study medicine may have every facility for preparation. Graduates who have completed the Preparatory Medical course are admitted without examination to all medical schools.

Course I is required of all Freshmen through the first quarter. Course II, or Physics I, is required of all Sophomores in the Arts and Science courses.

I. *Elementary Physiology and Hygiene.* This course is preparatory to the general physical training required by the College, and includes general physiology, hygiene, a brief review of human anatomy, and lectures on first aid to the injured.

Professor Babbitt; 2 hours, first quarter.

II. *Elementary Biology.* The lectures of this course are devoted to a discussion of the fundamental principles of the structure and life-processes of animals and plants, and also to some of the more important questions relating to their origin and evolution. The laboratory periods are devoted to the practical study and discussion of typical representatives of some of the greater groups of animals and plants. Many field excursions are taken in order to study animals and plants in their natural environment.

Professor Pratt; 4 hours.

Courses III to VII, inclusive, are elective, but must, with the exception of Course VII, be preceded by Course II.

III. *Comparative Anatomy of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work of this course includes the dissection and study of a cartilaginous and a bony fish, an amphibian, a reptile, a bird, and a mammal. This course is given in alternate years with Courses Va and Vb.

Professor Pratt; 3 hours.

[Not given in 1907-08.]

IV. *Morphology of Invertebrates.* This course is intended for those who may wish to make a more extended study of invertebrates than was possible in Course II.

Professor Pratt; 1 hour or more, by arrangement.

Va. *Histology of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work of this course includes a microscopical study of vertebrate tissues. The student also learns the methods of microscopical technique, the preparation of some of the more important reagents, the use of the microtome, etc., and he prepares or obtains about one hundred stained and mounted slides.

Professor Pratt; 3 hours, first half-year.

Vb. *Embryology of Vertebrates.* One lecture and two laboratory periods a week. The laboratory work in this course is devoted to the study of the embryology of the chick and of the frog.

Professor Pratt; 3 hours, second half-year.

Courses Va and Vb are given in alternate years with Course III.

VI. *General Botany.* One lecture and one laboratory period a week. The laboratory work of this course consists of the dissection and structural study of typical representatives of the principal groups of plants

Professor Pratt; 2 hours.

VII. *Evolution and Heredity.* Lectures and supplementary readings. The development of the evolutionary

idea is traced from the time of the Greeks to the present time and the systems of Lamarck and Darwin and their followers are described and discussed. The growth of our knowledge of the facts of heredity is studied and the theories of Darwin, Weismann, Mendel and others are discussed.

Professor Pratt; 1 hour.

[Not given in 1907-08.]

Courses VI and VII are given in alternate years.

VIII. *Human Anatomy*. A general course in anatomy intended especially for preparatory medical students and prospective teachers of physical training. The department is equipped with a skeleton, a manikin, enlarged models of the eye, ear, throat, and heart, and numerous charts to aid in practical work. A complete set of individual bones, including a disarticulated skull, affords opportunity for the study of osteology. The outline includes a study of the brain and spinal cord, and, as far as time permits, a study of the eye, the ear, and the throat. The course is supplemented by attendance upon medical clinics and by occasional visits to the anatomical museums of the city.

Professor Babbitt; 2 hours.

IX. *Applied Anatomy and Physiology*. A course offering special work in preparation for the teaching of physical training. It may be combined with Courses VIII and X.

Professor Babbitt; 2 hours.

X. *Advanced Physiology.* While primarily intended to fill the requirements of the Preparatory Medical course, this course is made general and is open to all Seniors and Juniors. It consists of one hour of recitation and, when elected, one laboratory period a week. Suitable apparatus is provided for practical and experimental work upon muscle and nerve preparations; examination and tests of blood and secretions; production of artificial digestion; functional study of the heart, general circulation, special senses, etc. This course may be modified to suit the needs of the course in normal physical training.

Professor Babbitt; 1 hour or more, by arrangement.

CHEMISTRY.

The chemical laboratory affords opportunity for elementary or advanced special work, with ample facilities for its prosecution. The professor and his assistant are in constant attendance. The laboratory work comprises elementary experiments in general chemistry; the preparation of a number of pure compounds; qualitative or quantitative analysis and experimental work illustrating chemical laws and theories. Chemistry I or Mathematics II is required of all Sophomores in the Arts and General Science courses, and of all Juniors in the Mechanical and Electrical courses.

I. *Elementary General Chemistry.* In this course students will probably have two lectures or recitations and two laboratory periods a week. The preparation, prop-

erties and uses of the more important elements and inorganic compounds are discussed in the lectures and are illustrated by experiments. In the laboratory the time is given mainly to the preparation and study of the non-metallic elements and a few of their compounds.

Professor Hall; 4 hours.

II. *Qualitative Analysis*. The exercises are mainly practical, but there is, each week, at least one lecture or examination. Although the instruction is devoted chiefly to the methods of qualitative analysis, it is expected that the student will increase materially his knowledge of general chemistry by following this course.

Professor Hall; 2 hours or more, by arrangement.

III. *Quantitative Analysis*. The simpler gravimetric and volumetric methods of analysis are studied. The calibration of flasks and burettes is also included.

Professor Hall; 2 hours or more, by arrangement.

IV. *Organic Chemistry*. This course consists of lectures, recitations and laboratory work throughout the year. It will be found useful not only to those intending to become chemists, but also to students of biology and medicine.

Professor Hall; 2 hours.

V. *Advanced Quantitative Analysis*. This course is a continuation of Course III, but includes the analysis of silicates and other complex compounds, the examination of water, milk, butter, iron, steel, etc.

Professor Hall; 2 hours or more, by arrangement.

PHYSICS.

The Department of Physics occupies six rooms in the west end of Founders Hall, well arranged both for laboratory work and for lectures. The apparatus for lecture demonstrations has been carefully chosen to illustrate the principal phenomena dealt with, and the laboratory is furnished with a large number of excellent standard forms of apparatus. The department is also well equipped with the usual forms of elementary apparatus.

The electrical apparatus includes several series, shunt and compound wound direct current dynamos and motors; a number of static transformers; Weston and other ammeters, voltmeters and wattmeters; a Leeds and Northrup potentiometer; a Wheatstone bridge made by Elliott Bros.; a good variety of Thomson and D'Arsonval galvanometers, together with numerous other bridges, condensers, standard units, etc. The laboratory is supplied throughout with both gas and electric light. The following currents are available in the laboratory: 20 volt storage battery, 110 volt direct, 110 and 220 volt 60 cycle three phase alternating, and 110 volt two phase from secondaries of transformers.

I. *Elementary Physics*. This course is an elective with Biology II in the Sophomore year. It regularly consists of three lectures or recitations and one laboratory period a week, but, at the discretion of the instructor, one of the lecture periods may be used for laboratory work. The subjects considered are mechanics, sound, heat, light,

electricity and magnetism. Mann and Twiss, *Physics*, is used in the class work. Ames and Bliss, *Experiments in Physics*, is the laboratory manual. The lectures are accompanied by numerous experimental demonstrations. The chief aim of the laboratory work is the teaching of accurate measurement and observation in all the subjects treated.

F. Palmer, Jr.; 4 hours

II. *Electricity and Light*. This course is intended to follow Course I. In general, there is one lecture and one laboratory period a week. The modern developments of electricity are briefly considered, including Roentgen rays, wireless telegraphy, and the theory of ionization as set forth in J. J. Thompson, *The Conduction of Electricity through Gases*. The laboratory work includes a few fundamental experiments in the measurements of currents, resistances, divided circuits, etc., and the phenomena of diffraction, polarization and measurement of the wave-length of light. This work may be somewhat altered to suit the needs of those electing the course.

F. Palmer, Jr.; 2 hours or more, by arrangement.

III. *Wireless Telegraphy*. In this course a brief study of mutual and self-inductance and capacity is followed by a discussion of electric waves, their properties and measurement. Finally the application of these quantities is made to wireless telegraphy, and a sending and a receiving station are built up. In the laboratory work several instruments have been built, among them a

variable air condenser, a Fleming dynamometer, and a Pierce wave-meter. As a reference book frequent use is made of Fleming, *Electric Wave Telegraphy*.

F. Palmer, Jr., 2 hours.

VI. *Electrical Engineering*. Elementary instruction by text-book and lectures in electrical and magnetic quantities, units and measurements; the principles of electrical measuring instruments, dynamos, motors and transformers; a study of arc and incandescent lamps of various types, electric heaters, welders, etc. Experimental demonstration of all the above. The practical phases of engineering, such as wiring buildings, the installation of electrical machinery, etc., are taken up so far as time permits. Prerequisite, Physics I, or the equivalent.

L. H. Rittenhouse; 2 hours.

VII. *Electrical Engineering*. This course follows Course VI. It consists of one hour of class-room work and one hour of laboratory work, either of which may be taken as an elective.

The experiments include the use of refined measuring instruments, the absolute measurement of electrical and magnetic quantities, efficiency tests of dynamos, motors and transformers, making characteristic curves, etc.

The theory of alternating currents is taken up in more detail than in Course VI. The modern applications are studied and illustrated by visits to the large power houses, substations, etc., around Philadelphia.

L. H. Rittenhouse; 2 hours.

VIII. *Electrical Engineering*. An advanced course for students specializing in electrical work. Laboratory experiments and special investigations. This work will be altered to suit the needs of those electing it.

L. H. Rittenhouse; 2 hours.

GEOLOGY.

I. *Elementary Geology*. A discussion of the general principles of the science, Le Conte's *Geology* being used as a text-book. Excursions are taken occasionally in which the physiographical and geological features of the country about Haverford are studied, and trips are made to the important paleontological and mineralogical collections of Philadelphia.

Professor Pratt; 2 hours.

ENGINEERING.

The engineering courses are designed to give a thorough training in fundamental engineering principles and, as far as practical, to teach the application of these principles to the generation and utilization of power and to the construction of machines.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia, and frequent inspection trips are taken.

The Engineering Department occupies a commodious stone building, three stories high, erected during the summer of 1896. The equipment of the shop is modern

and of the best quality. The wood-working room affords accommodation for fourteen students. The benches are provided with quick-action vises and a complete set of carpenter's tools for each student. This shop contains a 36" band saw and five wood lathes. The iron-working room contains a 24" x 12' Blaisdel engine-lathe and three smaller engine-lathes; a 24" x 24" x 6' planer; a Becker-Brainard universal milling machine; a Gould and Eberhardt 16" shaper; two drill presses, several vises, and complete sets of machinist's tools for bench work, pipe fitting, etc. Steam engine indicators, weighing scales, standard pressure gauges, calorimeters and electrical measuring instruments, in connection with the central heating and lighting plant, afford good opportunity for boiler, engine and dynamo testing. The third story of the building is devoted to drawing and is a large and well lighted room, where thirty students may be accommodated at one time. The equipment includes a number of pieces for study and sketching, such as steam and air pumps, safety valves, shaft hangers, etc.

The following technical mechanical courses are given. For the corresponding electrical courses see under Physics.

Special courses may be arranged to suit the needs of those students intending to continue their engineering studies at other institutions.

I. *Steam Engineering.* A study of the action of steam and gas engines, boilers, condensers, pumps, air compressors, etc., of fuel, horse-power, and efficiencies. The thermo-dynamic principles involved are taken up in the

last half-year of the course. Hydraulics, refrigeration and heating and ventilation are taken up as far as time permits.

L. H. Rittenhouse; 2 hours.

IIa. *Descriptive Geometry*. [Mathematics XIV.]

Professor Reid; 2 hours, first half-year.

IIb. *Elements of Mechanism*. A study of the mechanical movements employed in machinery; various methods of transmitting and transforming motion; a detailed study of the teeth of wheels. This course includes a series of problems in invention to be solved by the student. At least one drawing-room period per week is devoted to the work of this course.

L. H. Rittenhouse and O. M. Chase;

2 hours, second half-year.

[Not given in 1907-08.]

III. *Practical Mechanics*. Students in engineering spend at least five hours per week for two and one-half years in the shop and have the privilege of electing extra hours after the completion of the regular course, if the facilities of the shop permit. The course begins with simple exercises in wood-working, embracing sawing and planing, and progresses through graded exercises in joinery of all kinds, turning and pattern-making. One year is usually spent in this department, unless the student has previously had practice in wood-working.

The iron-working is begun regularly at the beginning of the Sophomore year. Bench work in filing, chipping

and scraping occupies a half-year. The second half-year is occupied with pipe fitting, forging, welding and annealing. Each student is required to make a set of tools to be used in the machine-shop.

The remaining two years are devoted to the use of the various machine tools in executing a series of graded exercises, and, finally, in the construction of a complete machine such as a lathe or engine.

The grades in this course are based upon the faithfulness of the student in his work, his promptness and his care of tools as well as upon the accuracy of his work and the time occupied on each exercise.

L. H. Rittenhouse and J. O. Rantz ;
2 hours or more, by arrangement.

IV. *Mechanical Drawing and Machine Design.* The first exercises are designed to give facility in the use of instruments. These are followed by the elementary projection of solids and complicated intersections, exact and conventional representation of threads, bolts and nuts.

Sketching and dimensioning from models is next taken up and, during the Sophomore year, simple working drawings are made from these. Spur and bevel gear wheels, screw and other gearing, quick return motions and the various transmission gears are taken up and designed in connection with the course in mechanism.

A number of practical problems in valve gears involving the plain slide valve, piston valve, corliss valve, shifting eccentrics, link motions, etc., are solved by each student. The course concludes with the design of a

steam or gas engine and complete detail drawings of all working parts, or the equivalent.

O. M. Chase and L. H. Rittenhouse;
2 hours or more, by arrangement.

V. *Materials of Construction.* A study of the materials employed in engineering constructions, including the manufacture and properties of iron in all its commercial forms of cast iron, steel and wrought iron; the making of alloys; the strength, elasticity and ductility of metals; the strength of timbers, shafting, girders, trusses, etc.

L. H. Rittenhouse; 2 hours, second half-year.

PHYSICAL TRAINING.

The new Gymnasium contains a main floor, sixty by ninety feet, abundantly equipped with the most improved American and Swedish gymnastic appliances and circled by an inclined running track, five feet in width. Adjoining the main floor are offices for the use of the director in physical examination and measurement. These rooms may be further utilized for special work by students taking advanced courses in anatomy and physiology, preparatory to medicine, and by those electing normal courses in physical training. Adjoining the main hall is located a large and comfortable reading room. Above are a trophy room and apartments for the use of the alumni.

The following periodicals are taken by the Reading Room:

American Cricketer.
Harper's Weekly.
Cosmopolitan.
American Gymnasia.
Mind and Body.
Recreation.

Collier's Weekly
Outing.
McClure's Magazine.
Everybody's Magazine.
Life.
Motor Print.

The basement contains dressing-rooms, a number of well ventilated lockers, shower-baths and a swimming pool. There is also a special dressing-room for the use of the faculty and visiting athletic teams, and a double bowling alley.

A thorough physical examination is given to all students upon entrance, and another at the end of the Sophomore year. They must be physically eligible before representing the College upon football, gymnasium or athletic teams.

The work of the department begins with a course of lectures upon anatomy, physiology and hygiene, given to the Freshman class during the first quarter of the college year. This is followed by systematic gymnastic drill during the two succeeding quarters, three times a week.

A similar course is required during the Sophomore year and elective courses are open to Seniors and Juniors.

The student must take one of the following courses:

I. A course in modified Swedish educational gymnastics.

II. A course in general light and heavy gymnastic work.

III. Regular practice with the candidates for the College gymnastic team, for entrance to which gymnastic ability and physical qualifications are requisite.

For additional courses in anatomy and physiology, see pages 54-58.

THE LIBRARY.

The College Library now contains over forty-nine thousand volumes, besides numerous pamphlets. It is arranged with the object of making it especially useful as a library of reference. The students have free access to the shelves and the Librarian and his assistants are, at all times, ready to give aid to students and readers.

About eighteen hundred dollars are expended yearly for the purchase of books and periodicals. The library is a regular depository of the United States Government and several hundred volumes of publications are annually received.

The following literary and scientific periodicals are taken:

Acta Mathematica.
Advocate of Peace.
American Friend.
American Historical Review.
American Journal of Archæology.

American Journal of Mathematics.
American Journal of Philology.
American Journal of Religious Psychology.
American Journal of Science.

- American Journal of Theology.
 American Machinist.
 American Naturalist.
 Anglia.
 Anglia Beiblatt.
 Annalen der Physik.
 Annals of American Academy.
 Annals of Mathematics.
 Archiv für lateinische Lexikographie und Grammatik.
 Astronomical Journal.
 Astronomische Nachrichten.
 Astrophysical Journal.
 Athenæum.
 Atlantic Monthly.
 Australian Friend.
 Banner and Herald.
 Beiblätter für die Annalen der Physik.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Biological Bulletin.
 Bird Lore.
 Bookman.
 British Friend.
 Bulletin Astronomique.
 Bulletin des Sciences Mathématiques.
 Bulletin of the American Mathematical Society.
 Bulletin of the Bureau of Standards.
 Bulletin of the Department of Labor.
 Bulletin of Bibliography.
 Bulletin of Friends' Historical Society.
 Cassier's Magazine.
 Catalogue of U. S. Public Documents.
 Century Magazine.
 Chicago Banker.
 Classical Journal.
 Classical Philology.
 Classical Review.
 Columbia University Quarterly.
 Commercial and Financial Chronicle.
 Comptes Rendus de l'Académie des Sciences.
 Congressional Record.
 Consular Reports.
 Contemporary Review.
 Critic.
 Cumulative Index.
 Department of Labor Bulletin (New York).
 Dial.
 Economist (London).
 Educational Review.
 Electrical World.
 Electrician.
 Electrochemical and Metallurgical Industry.
 Engineering Magazine.
 Englische Studien.
 English Catalogue of Books.
 English Historical Review.
 Experiment Station Record.
 Expositor.
 Expository Times.
 Evangelical Friend.
 Fellowship Papers.
 Forest Leaves.
 Fortschritte der Mathematik.
 Friend (London).
 Friend (Philadelphia).
 Friendly Messenger.
 Friends' Intelligencer.
 Friends' Witness.
 Friends' Missionary Advocate.
 Friends' Quarterly Examiner.
 Good Government.
 Harper's Magazine.
 Harper's Weekly.
 Hartford Seminary Record.
 Harvard Graduates' Magazine.
 Herald of Peace.
 Hibbert Journal.
 Independent.

- Indian's Friend.
 International Journal of Ethics.
 Jahresbericht über d. Fortschritte d. klass. Altertumswissenschaft, und Beiblatt.
 Johns Hopkins University Circulars.
 Johns Hopkins University Studies in History, etc.
 Journal of the American Chemical Society.
 Journal of the Chemical Society.
 Journal de Mathématiques.
 Journal of Philosophy, Psychology, etc.
 Journal of Political Economy.
 Journal of the Franklin Institute.
 Journal of the Friends' Historical Society.
 Journal of English and Germanic Philology.
 Journal of Experimental Zoology.
 Journal für die reine u. angewandte Mathematik.
 Journal of the Society of Chemical Industry.
 Library Journal.
 Literary News.
 Literaturblatt für germ. u. rom. Philologie.
 Living Age.
 Lower Merion News.
 Mathematische Annalen.
 Messenger of Peace.
 Mind.
 Missionary Review.
 Modern Language Notes.
 Modern Language Review.
 Modern Philology.
 Monthly Notices of Royal Astronomical Society.
 Monthly Summary, Commerce and Finance.
 Nation.
 National Geographic Magazine.
 Nature.
 New York Observer.
 Nineteenth Century and After.
 North American Review.
 One and All.
 Our Missions.
 Outlook.
 Peacemaker.
 Pennsylvania Magazine.
 Philosophical Magazine.
 Philosophical Review.
 Physical Review.
 Political Science Quarterly.
 Popular Science Monthly.
 Princeton University Bulletin.
 Proceedings of the Academy of Natural Science.
 Proceedings of American Antiquarian Society.
 Proceedings of American Philosophical Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Review.
 Publications of the Modern Language Association.
 Publishers' Weekly.
 Quarterly Journal of Economics.
 Quarterly Journal of Mathematics.
 Quarterly Review.
 Review of Reviews (American).
 Revue des Deux Mondes.
 Rheinisches Museum für Philologie.
 Romania.
 Schwenkfeldian.
 Science.
 Science Abstracts.
 Scientific American.

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| Scientific American Supplement. | Western Work. |
| Scribner's Magazine. | Wochenschrift für klassische Philologie. |
| Smithsonian Miscellaneous Collections. | World's Work. |
| Sound Currency. | Yale Alumni Weekly. |
| Southern Workman. | Yale University Bulletin. |
| Spectator. | Zeitschrift für Anorganische Chemie. |
| Transactions of the American Mathematical Society. | Zeitschrift für Physikalische Chemie. |
| University Record (Chicago University). | Zoologischer Anzeiger. |
| War or Brotherhood. | Zoologisches Zentralblatt. |

The Library is open, with slight exception, on weekdays from 8.30 a. m to 10 p. m. While designed especially for the use of the officers and students, others have the privilege of consulting and, under certain restrictions, of withdrawing books.

PUBLIC LECTURES, 1906-1907.

HAVERFORD LIBRARY LECTURES.

"The Religious History of Scotland in the Eighteenth Century," three lectures by Dr. John Watson (Ian MacLaren).

2d mo. 14th, 19th, and 26th, 1907.

THE THOMAS SHIPLEY LECTURE ON
ENGLISH LITERATURE.

"Longfellow," by Professor Barrett Wendell, of Harvard University.

4th mo. 26th, 1907.

OTHER LECTURES.

"New Guinea Savages" (illustrated), by Dr. Alfred C. Haddon, F.R.S., University Lecturer in Ethnology at Cambridge, England.

11th mo. 5th, 1906.

"Through Persia into Central Asia" (illustrated), by A. V. Williams Jackson, Ph.D., LL.D., Professor of Indo-Iranian Languages in Columbia University. Lecture delivered under the auspices of the Phi Beta Kappa Society.

12th mo. 7th, 1906.

"Political Conditions in Pennsylvania," by Isaac Sharpless, President of Haverford College. Lecture delivered under the auspices of the Civics Department of the Loganian Society.

12th mo. 11th, 1906.

"Scientific Oyster Culture in the Chesapeake" (illustrated), by Caswell Grave, Ph.D. Lecture delivered under the auspices of the Scientific Department of the Loganian Society.

1st mo. 22d, 1907.

A meeting in behalf of The Hampton Normal and Agricultural Institute, addressed by the assistant chaplain, Edward L. Chichester; on behalf of the Negroes by the Commandant, Major Robert R. Moton, and on behalf of the Indians by Charles Doxon. Singing by the Hampton Quartet.

3d mo. 1st, 1907.

"Roman Remains in Southern France" (illustrated), by Wilfred P. Mustard, Ph.D., Professor of Latin in Haverford College. Lecture delivered under the auspices of the Classical Department.

4th mo. 8th, 1907.

GRADING OF STUDENTS.

Students are classified, according to their grades, into five sections, A, B, C, D, E. Each student is notified of the section to which he has been assigned, but the grades are not published. Section E is composed of those who

have failed. No student is permitted to graduate if his combined average for the Junior and Senior years is below grade C. Daily recitations, hour-examinations and final examinations are all employed in determining the standing of a student.

ADVANCED DEGREES.

Resident graduates who have received the Bachelor's degree from Haverford College, or graduates of other colleges who, in the judgment of the Faculty, have done work equivalent to that required for the Bachelor's degree, may be admitted as candidates for the Master's degree. Such students shall be required to do a full year's work, three-fourths of which shall be in related subjects. The courses must be first accepted by the Faculty before the student is admitted to candidacy. A thesis on a topic in the special field of study may be required and an examination satisfactory to the professor in charge must be passed.

Non-resident graduates of Haverford College of three years' standing or more will be granted the Master's degree when they have satisfactorily done work equivalent to that required of a resident graduate. They must, however, at the opening of their work, arrange with some one department a definite course of study acceptable to the Faculty and make annual reports during the three years to the professor in charge.

The fee for the Master's diploma is twenty dollars, to be paid in all cases before the first of Sixth month of the year in which the degree is granted. In the case of

non-resident graduates an additional fee of ten dollars is required at the beginning of the course.

Adequate courses of study for the Master's degree will be arranged on application to the President.

ROOMS.

A student who continues in the College may retain the room he already occupies. The vacant rooms are assigned by lot, the upper classmen having first choice. About one-fourth of the rooms in Merion Cottage will be reserved for Freshmen. New students may select rooms in the order of entry. For this purpose they must fill certain blanks to be had on application to the President of the College. Signatures to these blanks are considered to bind the students, unless the latter are refused by the College for failure in examination or other cause.

EXPENSES.

The charge for tuition, board and room-rent varies with the location of the rooms from \$375 to \$575 a year, and accommodations for students are furnished at different rates, as follows:

Merion Hall,	17 at \$375 each.
Merion Hall,	20 at \$400 each.
Founders Hall,	8 at \$400 each.
Barclay Hall,	6 at \$400 each.
Barclay Hall,	26 at \$450 each.
Barclay Hall,	54 at \$500 each.
Lloyd Hall,	16 at \$575 each.

The room-rent includes steam heat, electric light, necessary bed-room furniture and care of rooms. Students will supply their own study-room furniture, also towels and table napkins.

The tuition for day-students is one hundred and fifty dollars a year; for tuition and mid-day meal, two hundred dollars a year.

Books and stationery will, at the option of the student, be supplied by the College and charged on the half-yearly bills. Materials consumed and breakage in the laboratories are also charged.

Bills for board and tuition are payable, three-fifths at the beginning, and two-fifths at the middle of the college year.

SCHOLARSHIPS.

I. Senior Foundation Scholarships. Five scholarships of the annual value of \$300 each are offered to graduates nominated by the Faculties of Earlham, Penn, Wilmington, and Guilford Colleges and Friends' University.

II. I. V. Williamson Scholarships. Three scholarships covering all expenses of board and tuition.

III. Richard T. Jones Scholarship. One scholarship covering all expenses of board and tuition.

II and III are so arranged that one is usually vacated each year and awarded to a Freshman.

IV. Corporation Scholarships. Sixteen scholarships of the annual value of \$300 each will be awarded after competitive examination. They are open to all applicants.

Candidates for these scholarships in the Freshman class are usually asked to answer certain questions not required of other applicants for admission. The award for the following college year is made after the Sixth month examination of each year. Candidates in the higher classes are selected each year from those highest on the grade list in the preceding year. Four scholarships are given to each class.

V. Edward Yarnall Scholarship. One scholarship of the annual value of \$200. Open to Friends only.

VI. Thomas P. Cope Scholarship. One scholarship of the annual value of \$200. Open only to Friends who intend to teach.

VII. Sarah Marshall Scholarship. One scholarship of the annual value of \$200.

VIII. Mary M. Johnson Scholarship. One scholarship of the annual value of \$200.

IX. Day Scholarships. Eight scholarships of the annual value of \$100 each.

X. Tuition Scholarships. Twenty-four scholarships of the annual value of \$150 each. One of these may be nominated by the Lower Merion High School for the Freshman year only.

XI. Alfred Smith Scholarship. One scholarship given on competitive examination to a candidate for the Freshman class who is of German-American parentage. The annual value is \$400. It may be held for successive years if the work of the recipient is satisfactory, and may also be followed by a fellowship of \$500 for one year in Harvard University.

XII. Joseph E. Gillingham Scholarships. Four scholarships of the annual value of \$200 each for meritorious students.

All scholarships are given for one year only, but they may be renewed by the College (except I) if the conduct and standing of the recipient be satisfactory.

The Senior Foundation Scholarships will thus be vacated yearly, and about one-fourth of the others.

Except IX and a few of X all scholarships involve residence at the College.

FELLOWSHIPS.

The Clementine Cope Fellowship, of the annual value of \$500, may be awarded by the Faculty to the best qualified applicant from the Senior class. He is required to spend the succeeding year in study at some American or foreign university approved by the Faculty.

On the same foundation are offered, yearly, two fellowships of \$300 each, called Teaching Fellowships, involving certain duties at Haverford College. They are construed to cover all the charges for tuition, rooms and board.

PRIZES.

Alumni Prizes for Composition and Oratory.

The Association of the Alumni, in the year 1875, established an annual prize of \$50, either a gold medal or an equivalent value in books with bronze medal, for excellence in composition and oratory.

The following are the rules governing the competition:

I. The Alumni medal is offered yearly for competition amongst the members of the Senior and Junior classes, as a prize for the best delivered oration prepared therefor.

II. Three or five judges shall be appointed from year to year by the Alumni Committee, who shall hear publicly, in Roberts Hall, all competitors who may be qualified to appear.

III. No oration shall occupy in delivery more than fifteen minutes.

IV. In making the award, while due weight is to be given to the literary merits of the oration, the judges are to consider the prize as offered to encourage more especially the attainment of excellence in elocution.

V. The judges shall have the right to withhold the prize if the elocution and the literary merits of the oration fall below a creditable standard of excellence.

The Everett Society Medal.

This silver medal is offered by the donor to the members of the two lower classes for composition and oratory. It is given in memory of the old Everett Society.

John B. Garrett Prizes for Systematic Reading.

Four prizes worth \$40, \$30, \$20 and \$10, respectively, will be given in books to those members of the Junior class who, having creditably pursued their regular stu-

dies and paid proper attention to physical culture, shall have carried on the most profitable course of reading in standard authors during the Sophomore and Junior years.

The direction of the work and the award of the prizes shall be in the hands of a committee consisting of the President, the Librarian and the Professor of English.

There will be an oral examination to determine the scope and quality of the reading, and a thesis treating of subjects embraced in the course will be required.

Any or all of these prizes may be omitted if, in the judgment of the committee, the work does not justify an award.

The Class of 1896 Prizes in Latin and Mathematics.

These are two prizes worth \$10 each. They will be awarded in books at the end of the Sophomore year for proficiency in Latin and Mathematics, respectively.

The Class of 1898 Prize in Chemistry.

The Class of 1898 offers a prize of \$10 in books to the member of either the Senior or Junior class, who, in the judgment of the professor in charge, shall have done the most thorough and satisfactory work during the year in the laboratory, and in oral and written examinations.

The prize will not be awarded twice to the same student.

The Elliston P. Morris Prize.

A prize of eighty dollars, open to all undergraduates and to graduates of not more than three years' standing, is offered in alternate years for the best essays on "International Peace and the Means of Securing It." The first award will be made in the Fifth month of 1908, and will be announced at Commencement. Any or all of the papers may be rejected if a high standard of merit is not reached. Competitors are urged to avoid mere discussion and fine writing, and to seek the advancement of knowledge by a study of facts or a proposal of practical advantage. The essays of 1908 and 1910 shall be written on one of the following subjects:

1. The grounds for believing that The Hague Conference will become a substitute for war.
2. The ethical grounds for opposition to war.
3. Will the economic burden of war, and of national armaments in time of peace, force the nations of the world to adopt peaceful methods of settling disputes?

HONORS.

For the purpose of honors, studies are divided as follows:

a. Literary group: the Greek, Latin, German, French, Spanish and Italian languages, English literature, history, political science and philosophy.

b. Scientific group: astronomy, biology, chemistry, engineering, mathematics and physics.

Candidates for honors shall elect from any two studies in one of these groups at least five hours a week during

the Junior year, and eight hours a week during the Senior year, and shall announce their candidacy at the beginning of the Junior year.

Highest Honors and *Honors* may be given, dependent on the judgment of the professor in charge. The decisions will be based on special examinations, or on the character of the daily work.

General Honors are awarded for a general average of ninety per cent., or over, during the Senior and Junior years.

Honors will be announced at Commencement and in the succeeding catalogue.

SOCIETIES.

The Loganian Society was established by the officers and students in 1834, and now includes three departments,—a Scientific Department which holds meetings for the reading of papers, the presentation of reports, and the discussion of such topics as may be suggested by its members; a Debating Department; and a Civics Department, for the discussion of political and economic questions.

A flourishing branch of the Young Men's Christian Association, organized in 1879, has a membership embracing three-fourths of the students.

A chapter of the Phi Beta Kappa Society was established at the College in 1898.

The Campus Club is an organization of the faculty, students and other friends of the College for promoting the study and preservation of trees, shrubs, birds and wild animals on the college property.

PERIODICALS.

Haverford College Bulletin. Five publications for the collegiate year in uniform type and binding, including the College Reports, Catalogue, Athletic Annual, and other matter.

The Haverfordian, founded in 1879, is published monthly by the students during the college year.

DEGREES, PRIZES AND HONORS
GRANTED IN 1907.

At the Commencement in 1907, degrees were granted after examination to the following students:

MASTER OF ARTS.

Thomas Kite Brown, Jr., A.B. (Haverford College).

Thesis—The Spirit of the French Revolution in the Formative Period of Modern German Literature.

Richard Lucius Cary, A.B. (Haverford College).

Thesis—Explanatory Notes on *A Class of Spherical Harmonics of Complex Degree with Application to Physical Problems*, by E. W. Hobson, M.A.

Roderick Scott, A.B. (Haverford College).

Thesis—A Study of the Anglo-Saxon Poem, *The Wanderer*, in its Literary Relation and Linguistic Forms.

MASTER OF SCIENCE.

Bernard Lester, S.B. (Haverford College).

Thesis—The Development of the Steel Industry by the Application of Electric Drive.

BACHELORS OF ARTS.

Joseph Cooper Birdsall

Harold Evans

Paul Willits Brown

Ernest Fuller Jones

Walter Lewis Croll

Charles Frederick Lee

William Stauffer Eldridge

Raleigh Cabell Lindsay

Joseph Cornell Beans March	John Whitall Nicholson, Jr.
Howard Mitchell	Howard Hey Shoemaker
Alfred Balch Morton	Emmett Robinson Tatnall
William Butler Windle	

BACHELORS OF SCIENCE.

Arthur Emlen Brown	James Phineas Magill
George Brinton Comfort	Michael Henry March
George Craig Craig	José Padin
Ira Jacob Dodge	Richard Arnold Ricks, Jr.
Francis Downing Godley	William Ryle Rossmassler
Samuel James Gummere	Edward Comfort Tatnall
Wilbur Hamilton Haines	Charles Clayton Terrell
Charles Ruglas Hoover	Alexander Nes Warner
George Hallock Wood	

FELLOWSHIPS.

*The Clementine Cope Fellowship (\$500) for 1907-1908
was awarded to
Roderick Scott*

*Two Teaching Fellowships (\$300 each) for 1907-1908
were awarded to
Thomas Kite Brown, Jr.
José Padin*

PRIZES.

*The Alumni Prize in Composition and Oratory (\$50 in
books) was awarded to
Ira Jacob Dodge
Honorable Mention James Carey Thomas*

*The Everett Society Oratorical Medal for Sophomores
and Freshmen was awarded to*

Howard Milton Lutz

Honorable Mention Sidney Loewenstein

*The John B. Garrett Prizes (in books) for Systematic
Reading during the Sophomore and Junior years
were awarded to*

First Prize (\$40) Winthrop Sargent, Jr.

Second Prize (\$30) Howard Burt

Third Prize (\$20) William Haviland Morriss

Fourth Prize (\$10) Carroll Thornton Brown

*The Class of 1896 Prizes (in books) in Latin and Mathe-
matics for Sophomores were awarded to*

Latin (\$10) Robert Lindley Murray Underhill

Mathematics (\$10) . Robert Lindley Murray Underhill

*The Class of 1898 Prize in Chemistry (\$10 in books) for
Seniors or Juniors was awarded to*

Walter Lewis Croll

HONORS.

*The following Seniors were elected to the Phi Beta
Kappa Society:*

Harold Evans

George Hallock Wood

John Cooper Birdsall

Ernest Fuller Jones

General Honors (an average of 90 per cent. or over, for the Junior and Senior years) were awarded to

Harold Evans

George Hallock Wood

Honors in Departments were granted as follows:

Honors in Latin.....Joseph Cooper Birdsall

Honors in EnglishWilliam Stauffer Eldridge

Honors in English and Philosophy

Harold Evans

Honors in Romance Languages,

José Padin

Honors in Philosophy.....Ira Jacob Dodge

Honors in Chemistry and Biology,

Walter Lewis Croll

Honors in Engineering.....George Hallock Wood

Corporation Scholarships.

These \$300 scholarships are awarded annually to the four students in each class having the highest average scholarship for the year. In some cases the money is applied, at the option of the holder, to students of greater financial need, the original recipient retaining the honor.

Holders of Corporation Scholarships for the collegiate year 1907-1908.

Class of 1908

Morris Albert Linton

Winthrop Sargent, Jr.

Carl Forse Scott

Frederick Omar Musser

Class of 1909

R. Lindley Murray Underhill	Thomas Kite Sharpless
Clarence Creadick Killen	Mark Herbert Carver Spiers

Class of 1910

Christopher Darlington Morley	
	Charles Mitchell Froelicher
John French Wilson	Edward Wandell David

Class of 1911.

Levi Arnold Post	William Davis Hartshorne, Jr.
Christopher Fallon, Jr.	Ebenezer Hall Spencer

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HAVERFORD COLLEGE BULLETIN

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FOURTH MONTH, 1908

No. 3

Haverford and Its Future

Address to the Class of 1907

Haverford College

by

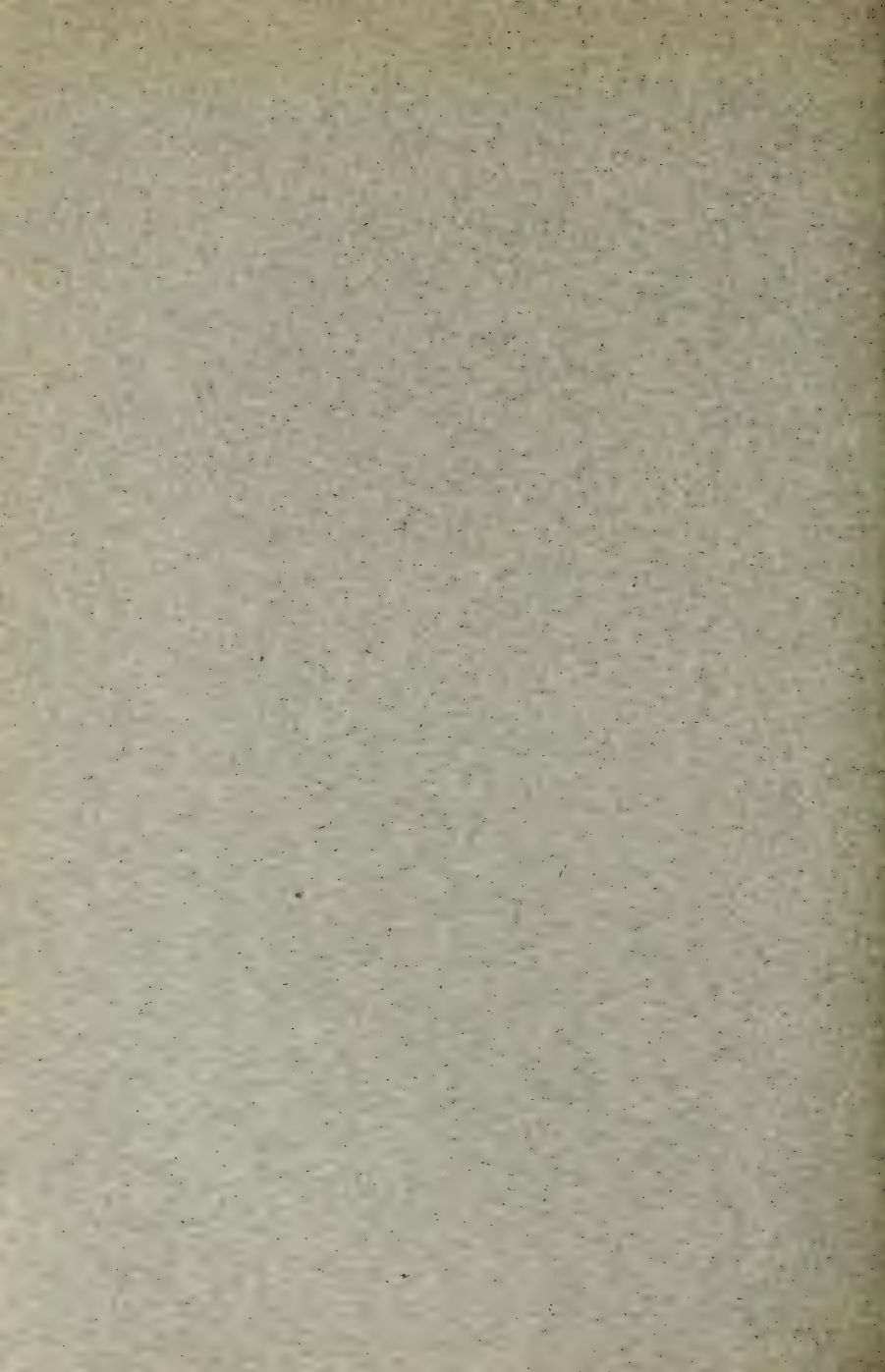
ERNEST WILLIAM BROWN, Sc.D., F.R.S

Commencement Day

JUNE 14, 1907

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Haverford and Its Future

Address to the Class of 1907

Haverford College

by

ERNEST WILLIAM BROWN, Sc.D., F.R.S

Commencement Day

JUNE 14, 1907

HAVERFORD AND ITS FUTURE.

There is no apology needed from anyone who talks on the subject of education in a Commencement Address, and still less is there an apology needed for a talk on Haverford education before a Haverford audience.

The reasons for my choice of this subject are not far to seek. When you honored me by your selection as the speaker this morning in preference to some well-known man from outside, it was evident that you were willing to pay the penalty of listening to opinions and ideas which many of you must have known before, and of hearing them also under circumstances which do not admit of an immediate reply. I have no proper right to talk on political matters and business affairs and their connection with the College; the selection of a literary theme I have neither the knowledge nor the courage to attempt: and I have many doubts as to whether the subject of mathematics would furnish a text of interest except to those few who have had pleasure or pain from the study of it. But there is one object which has been of deep interest to me during the sixteen years I have spent here and which is of interest to you all: I need hardly say that subject is Haverford College.

One cannot be closely identified with the life in any institution for a long time without forming opinions as to its merits and its faults, what it has done and what it might do, its policy in the past and the lines on which it should proceed in the future. I am, therefore, going to

discuss, as briefly as possible, some of these questions, shielding myself from criticism for so doing beneath the ample folds of the presidential robe. It is, of course, the peculiar right of the President to lay these matters before you, and I should not have ventured to trespass on that right without a permit from him for free speech. It is only fair to add, however, that he is in no way responsible for any opinions I may express, beyond that influence which he cannot help exerting on all who come into close contact with him.

It must sometimes happen to any good Haverfordian to ask how Haverford differs from other Colleges. Is it that she stands in the highest rank, perhaps at the top, amongst the smaller Colleges in the country? Most of us think so, and I believe that we are not far wrong. But we also feel that there is something more than that in the spirit which goes to make what we call "a good Haverfordian" and which I shall not attempt to define. We are agreed that this spirit must be retained in spite of changes in the personnel of managers, faculty, and students. It is now a heritage to be jealously guarded, and the men who work in and for the College have the power to do so in their own hands.

Yet there are certain external means by which their work can be aided. A change in the policy of any institution frequently produces no immediate results at the time it is made, and yet it may, in the long run, have a far-reaching effect on the general character of the place. When we begin to consider what has been done, we may have to look far back for the causes of success or failure. In exactly the same way, hand-to-mouth methods will

not suffice to insure success in the future. We have to settle the plans now for generations of students, ten, twenty and thirty years ahead. A well thought out scheme, consistently carried through, even should future experience show it to be capable of great improvement, will achieve more than sudden and frequent changes without a definite plan of action. I do not mean that legislation will not often have to be undertaken to meet changing times and changing needs. My thought is that there are certain broad lines of action which can be settled and to which many details may be referred. It is as certainly a necessity for the College to have firm foundations of this nature as it is for the United States to have a Constitution. And the time to lay these foundations securely is now while we are free from serious troubles and have the leisure to think matters over quietly. It is these broader issues to which I wish to call your attention to-day.

In the first and foremost place is to be put the connection of Haverford College with the Society of Friends. There has been a growing tendency of late years for many institutions which have been founded and fostered by the members of some religious body to cut loose in all but name from their early associations. Sometimes it has been justified, as in the case of those bodies which have achieved a wide reputation and have grown national rather than local or sectarian in their character. In other cases the charter has been quite frankly changed for a financial reason, for example, that the College might participate in the benefits of State or other funds. But, in many cases, it has been due to impatience at the very

restrictions which, small as they may be, have been most conducive to their welfare. None of these reasons for change seem to apply to Haverford: the College rests secure in the continued and increasing interest and liberality of its friends. The connection with the Society must be no mere technical one, maintained by certain rules specifying, for example, that the Managers or the President shall be members in good standing, or that attendance at Fifth-day Meeting is expected from all students. It must be a real one in which the ideals of the Society for life, conduct and education shall be those which the College is prepared to maintain. The distinctive dress, the plain language, are good as external aids, but the real basis consists in the principles for which the Society stands, and it is those principles which, before all, should be the main factor in the College life. In one sense they are nothing else than the ideals which govern the best men of every creed and country; in another sense they are the highest form of religious thought both for theory and practice. Let who will say that Haverford is a denominational College; perhaps it is, but certainly not in the sense that it tries to inculcate any particular body of doctrine. It stands, not for doctrine, but for principles and ideals of a perfectly definite character, and these form a bed-rock foundation which should not be undermined in any way. Even if some of us feel able to contribute but little towards the maintenance of this connection, we can at least see to it that no hindrance be placed in the way of those who have the desire to retain what I regard as the greatest source of strength of the College.

In the second place, I would put the idea that Haverford is to remain what it now is—a small College. This means that there should be no attempt to increase very largely the number of students or to develop it into a University. Here it is necessary to go a little more into detail, so that there may be a clear idea of what is meant by the distinction between a small College, a large College, and a University. I take no account of the ambitious names adopted by some institutions, but rather class them by the character of the work they are doing and by the size and quality of the body of students and teachers.

The whole idea of a College is that of a single unit working towards a definite end. The students and instructors should, therefore, be in close contact with one another—students with students, instructors with instructors, and students with instructors—in order that there may be thorough agreement and sympathy in carrying out the objects of the College. The various methods by which this can be and is achieved are too well known to you to need any words from me. If Haverford falls short of this ideal of unity, it is not for want of recognizing its necessity. As a matter of fact, there are not and have not been any real lines of division in the College as a whole, as far back as my knowledge goes. A certain degree of friction at times has arisen and will arise, but this is not altogether unwholesome; on the contrary, it is sometimes even necessary, “lest the soft dreams of contentment end in soulless slumber.” Every one too, student and instructor alike, must feel that he is a necessary and integral part of the College, taking a definite place in its life and leaving a gap on his depar-

ture which it behoves his successors to fill to the best of their ability.

To carry out completely this idea of unity, it seems essential that the numbers of students and teachers should be limited. A faculty of more than twenty or twenty-five men becomes too large for free interchange of views on the various questions which come up for discussion: most of the work would be turned over to Committees in which the older men would have the largest share: a line of division is started the evils of which are easily recognized. In a similar way, if the number of students exceeds about 200, they naturally begin to split up into sets and cliques, and it becomes possible for a man to go through College without ever coming into contact with more than a score or so of his fellow-students. My own experience leads me to suggest about 200 students as the outside limit for an effective College: the numbers can be kept down to this by whatever methods seem to be most desirable. Haverford will have to be prepared to resist pressure to increase beyond this number, if she decides to raise a barrier. The best way to do so will be a fixed policy, settled well in advance of the time when it must come into force.

The University is more of the nature of a collection of units and the division is usually along the lines of the various departments into which modern learning is divided. A student goes from one to another and gets what he can from each: there is less unity in the general aim, since each department is necessarily most concerned with maintaining its own affairs in the highest state of efficiency. The University, too, takes all knowledge for

its province, and must, therefore, have several men in each department. It is, or should be, equipped to teach anything and everything demanded. For the sake of economy, therefore, there must be a large body of students—not less than 1,000—perhaps three or four thousand for the greatest efficiency. Something has been lost and must necessarily be lost in this large aggregation. The sentimental feeling for the institution may be kept alive by various methods, but the real unity which is possible in a small College cannot fully exist.

Of course there are, at times, geographical and other reasons why a college should be large and a University small. My point is that the greatest efficiency and economy are not obtained under such conditions. The desire of some of the men's Colleges in the States of the East to increase their numbers to an unwieldy extent, appears to me to be a mistaken policy, or, if circumstances permit, it should only be a step towards the formation of a real University. Haverford, situated with large and efficient Universities within easy reach, has no need to develop in this way, and owes no duty to the community to do so. It can stand as the high type of the small College and continue to do some of the best educational work of the country on its present lines.

Closely connected with this question of numbers is the third point I wish to make. The small College with a faculty of between fifteen and twenty-five has only one or two men teaching in any one department. It is, therefore, advisable that the College should strictly confine itself to undergraduate work, or at most to one year of additional work after graduation. This has in fact been

the general policy here. It is true that there have been one or two departures from it during the last two decades: it seems to me doubtful whether they have been wise. The best doctors' degrees in America are only obtained after at least three years' graduate work under several men in the same department. However excellent the one or two men in any department of a small college may be, they do not have the time for giving a student the extended work which is required by a candidate for a doctor's degree during three years. To give such a degree on lower terms than it is given in the best Universities is to lower the intellectual standards of the College. In order to maintain the present high standard of our bachelor's degree, we must either have corresponding standards for other degrees or refuse to accept candidates for them.

It is interesting to turn aside for a moment and to notice how this idea of the function of the College as distinct from that of the University has developed in England. Until the last half of the century, there were but two places in which the higher learning was fostered and taught, namely, Cambridge and Oxford. The founding of a large number of such institutions scattered over the country was not a necessity in earlier days. When the demand for more facilities came, it arrived at a time when the railroads were built or were being built, so that it was possible for students to reach these centers without great difficulty. They have thus to a large extent held their positions as the chief centers of University training.

Both Oxford and Cambridge are collections of Col-

leges besides being Universities. Each College is a unit in itself so far as the undergraduate life is concerned. It has its own staff of men, it manages its own affairs, it provides for the physical and moral needs of its students, and its faculty does most of the undergraduate teaching. In subjects which attract but few students, several colleges will combine on one man for the necessary instruction. The number of students in any one College averages from 150 to 200, so that the Colleges are small in the sense in which we understand that word. There are eighteen Colleges in Cambridge and a like number in Oxford.

The University, on the other hand, takes charge of all the graduate work and of those subjects in the undergraduate courses which demand laboratory facilities. It examines for and grants all degrees. Thus the training in mind and character, as far as the bachelor's degree, is given by the College, which stamps its own tone on the student. The measure of his work is taken by the University, which knows no distinction between the Colleges. In a word, a student's life is life in a small College; his degree is a University degree.

The fourth matter on which a policy should be framed is one which stands on more debatable grounds, namely, the nature of the education to be given. This is a question which is usually left to the expert, or perhaps, speaking more accurately, to those interested in education. And yet in its broader aspects it is one which will appeal to all and it admits of a simple statement. Does the student want—No, I will change the phrase—is it best for the student to have an all round education,

or shall he begin to specialize immediately after leaving school? If every parent in consultation with the boy's teachers at school could be induced to consider and settle this matter instead of leaving it to the boy's choice when he enters College, I think we should hear less about the disadvantages of a College education. At the age of seventeen one can hardly be the best judge of the kind of education which is best, when those who have had a life-long experience of teaching have not hit on any formula which will fit all minds. However, that is another story. What I wish to bring forward is the kind of education which Haverford seems to have been able to give most effectively in the past, and so to point the way for future action.

It is sometimes useful and nearly always interesting to try and discover the nature and quality of the work which any institution is doing. We may go about and gather opinions (which will largely depend on the manner in which we ask for them) or we may apply various tests to find out what it receives, what it gives, how far it fulfils its promises, what are the needs it supplies. In the case of Haverford, with a considerable body of alumni whose circumstances were well known before entrance into College, and who have kept in close touch with us since their graduation, it is not a difficult matter to gather statistics. I confess that I have made no attempt to obtain them, owing to a deep distrust, not of the statistics, but of the arguments which may be deduced from them. So many factors enter whenever we begin to classify men's work, that a personal opinion has much the same value as such arguments. Thus, in attempting

to obtain information about the work done by Haverford from the careers of those who have passed through the mill, I simply give my own impressions.

The men to be considered are those who make a more or less direct use of the education they have received here, and who have been partly or wholly influenced in their choice of a career by what Haverford has done for them. This excludes the majority of those who have gone into business, it is true, and they are not a small proportion of the whole body, but the effect of their education is indirect and cannot be shown properly until later in their lives. The men I consider are those who follow what are generally called the professions, that is, the men whose work consists essentially in labor for their fellowmen; a service sometimes recompensed by large fees, sometimes by a mere livelihood, sometimes not at all. But that is aside from the main issue; the laborer is worthy of his hire.

These professions may be divided into two classes. The first of these classes, which I shall call advisory, consists of those professions where knowledge or judgment or both are at the service of the community. In the second class I put those professions in which the work is constructive, where the new problems arising with new conditions are worked out, where the architecture of civilization is dealt with. Of course the lines of division of the two classes are by no means sharply drawn. Only the chief function of each is what I have in mind.

In the advisory class come naturally the lawyers, whose chief care is the relation of individuals or a group of individuals to each other or to the community: the teach-

ers and ministers who look after the mental and moral development of the people and chiefly of the rising generation: the modern physician belongs here also, for his work consists in giving advice for the care of the physical evils which flesh is heir to, and in the future will, I believe, consist much more in preventing those evils by advising every man how to live: many positions of trust in the financial and business world belong to this class also. In the constructive class come the engineer, the architect, the student who spends his time in research and investigation, the inventor, and so on. The legislator belongs to both classes. His proper work is both advisory and constructive, perhaps more the former than the latter, although it is now mixed with the duties of an executive, and not unfrequently with those of a special advocate when, for example, private pension bills are under consideration.

For both classes of the professions we have schools where the necessary knowledge and training are furnished: law, medicine, engineering, economics, and so on. But there is a difference. In the advisory class it is essential to full success to have the training which a liberal education furnishes, which lays the basis for a sound and accurate judgment of men and their affairs, a sense of proportion between what is important and what is not important, an eye for what is expedient—the basis which experience will later on complete. This is being more fully recognized as the struggle for the higher places becomes more strenuous. The uneducated lawyer or physician, the congressman or senator who is nothing more than a glorified primary boss, will have to fall

behind when he reaches the ranks of those who have other resources to bring to their aid: the bread cast upon the waters is seen after many days.

On the other hand, the constructive specialist can be and often is successful without any special education outside of his own line. I do not wish to be misunderstood as saying that this class does not need a general education, for I think that every man is better and more effective with it. My point is simply this—that as far as the constructive professions are concerned, a liberal education is not essential for professional success. As against this, there is no doubt that such an education, even though it takes more time, is the best training for any kind of work.

How does Haverford stand in relation to these two classes? Does she provide largely for the constructive side by sending out men who afterwards take to the professions which come under this class? I think not. It is true that she has sent out many engineers, but they are nearly always those whose profession has been determined before entry into College: they elect a special line at the start, and the duty of the College has been to give them the necessary training in that line, with as much else as can be furnished. I refer not to them, but to those who come into College with no settled views as to what they shall take up after the end of their four years here. Their decision for the future will then be largely determined by the indirect influence of the education and surroundings they have while in College. It seems to me that an unusual proportion have taken to the advisory professions, chiefly teaching and law. You will naturally

ask: What about those who have worked in politics and done good service to the State, especially during the last two or three years? It is in no way a criticism on their work to say that it has been advisory, rather than constructive. Perhaps greater success would have attended their efforts if they had been prepared to stand for a series of constructive measures for legislation in addition to putting up and endorsing good men for the work.

However this may be, a definite feature of the education at Haverford appears in this choice of professions which demand something more than the knowledge and training of the specialist. Perhaps no better justification than this one fact can be made for the policy pursued here—the policy, as you are all aware, of the Society of Friends at the foundation of Haverford, and fostered particularly by President Sharpless during the last twenty years.

If I am right in my conclusions, the fruits of this policy will only appear fully in the future. The work of the specialist begins to show early: the trained intellect and character often has to wait until the hour demands it. If a College can send out men whose choice of a profession demands more than mere knowledge in a particular line, there has been something in the methods of education which is worth retaining. Part of this is doubtless due to the individual work of the men who compose the teaching body, but I believe that more is due to the manner in which the separate parts have been co-ordinated to produce the final result—an educated man.

Hence, it seems wise for Haverford to continue on the

same lines, to demand that every one who leaves her gates with her degree shall possess what a Haverford degree has meant in the past—a liberal education. It may be that a free choice of studies will be granted to students in the larger Universities. Even if this happens, there is no need for Haverford to follow them in this particular. There is room for many different methods in the country, and the method which seems natural and best for Haverford is the general plan now in force for her bachelor of arts degree. Any large extension of the elective system will, I believe, do harm here. Rather should the tendency be in the opposite direction. The attempt to produce uniformity in College education throughout the country, in spite of the fact that it makes organization more easy, will have the same result as the fatal attempts to reduce all students to the same level:—it will end in intellectual stagnation and a descent of all to the level of the lowest. Haverford is placed in circumstances where she can stand alone and work out the problem in the way which seems right, using the experiences of other Colleges, not as a route, but as a help towards the best solution.

My final word is to point out one or two hidden rocks in the ship's course, not a present danger to her welfare, but one which may perhaps arise in the future. Taking the College as a whole, Haverford is as nearly ideal as any institution can be in the conditions which make for happiness and contentment in everyone connected with its work. Those very conditions are apt to become an object to be sought after more eagerly than the real object for which the College was founded,—the forma-

tion of mind and character. President Sharpless, while making a speech on a certain occasion not long ago, said he believed that the trouble with men at Haverford was that they were too happy. I believe his remark covers a real danger for the College in the future, the more real because it is insidious and difficult to recognize until it has become serious. I appeal to those who have watched us for the past few years, and ask them to consider whether or not we have done too much to remove hardships and difficulties from Haverford life. In trying to do justice to every one, are we not sometimes apt to forget that relaxations of the rules for individual cases may cause a gradual lessening of the moral and intellectual fibre, a lack of stiffness and vigor throughout the whole of the body? Do not misunderstand me. This danger runs through the whole of the educational system of the country, but the conditions at Haverford render us rather more liable to the disease. And, moreover, as Haverford has not waited in the past to see what other places would do before she embarked on a new movement, neither should she wait now to forestall her own dangers and those of the system to which she belongs. She has been a little ahead of her peers for many years: her existence and success in the future demand that she should still retain the same position at the front.

HAVERFORD COLLEGE BULLETIN

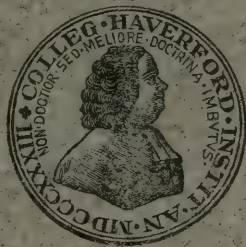
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Athletic Number

1907-1908



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Haverford College Athletics



1907 - 1908



*Edited in the Interest of
Haverford Athletics, by*
JAMES A. BABBITT, M. D.
*Director of the
Physical Department*

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INTRODUCTION

This published record for 1907-8 reveals a year successful in nearly every branch of athletics, and we are again proud of the standing of Haverford College.

Inasmuch as soccer football absorbed so general an interest throughout the College, considerable space has been allotted to its record. Thanks are due Messrs. Haines, '07, and Guiney for assistance in compilation and Gilbert for photographs.

JAMES A. BABBITT.

Haverford College, June 8, 1908.

Joint Committee on Athletics, 1907-08

Alumni Members

J. W. SHARP, *Chairman*

DR. T. F. BRANSON

DR. J. A. LESTER

W. C. LOWRY

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J. H. SCATTERGOOD

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J. BUSHNELL, 3D, '08

E. A. EDWARDS, '08

W. R. SHOEMAKER, '08

C. T. BROWN, '08



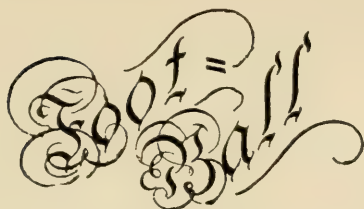
Athletic Association

C. T. BROWN, '08—*President*

G. S. BARD, '09—*Vice-President*

J. M. WITHALL, '10—*Secretary*

C. J. RHOADS, '93—*Treasurer*



—SEASON—

Foot Ball Department

G. K. STRODE, '08—*Chairman*C. C. KILLEN, '09—*Vice-Chairman*C. K. DRINKER, '08—*Manager*

A. J. HILL

M. H. C. SPIERS

} *Asst. Managers*C. T. BROWN—*Captain*H. N. THORN, '04—*Head Coach*W. H. HAINES, '07—*Field Coach***Haverford College Foot Ball Team**

C. T. BROWN, '08 (Captain)	.....	<i>Right Half Back</i>
G. S. BARD, '09	.....	<i>Left Half Back</i>
E. A. EDWARDS, '08	.....	<i>Full Back</i>
C. K. DRINKER, '08	.....	<i>Quarter Back</i>
A. C. LEONARD, '08	.....	<i>Left End</i>
J. K. LEWIS, '09	.....	<i>Right End</i>
C. S. MILLER, '08	.....	<i>Left Tackle</i>
F. M. RAMSEY, '09	.....	<i>Right Tackle</i>
R. A. SPAETH, '09	.....	<i>Center</i>
G. W. EMLIN, '08	.....	<i>Left Guard</i>
G. H. DEACON, '09	.....	<i>Right Guard</i>

Foot Ball Season 1907

Games Played, with Scores

Haverford..... 24	Medico-Chi 5 (at home)
Haverford..... 12	Delaware 0 (at home)
Haverford..... 22	N. Y. University..... 0 (away)
Haverford..... 6	Ursinus 0 (at home)
Haverford..... 11	Lehigh 4 (at home)
Haverford..... 6	Rutgers 5 (away)
Haverford..... 0	Franklin and Marshall... 4 (at home)
Haverford..... 0	Trinity 23 (at home)
<hr/>	
Total..... 81	Total..... 41

Statistics of Foot Ball Team 1907

Age. Height. Wght.

C. T. BROWN, '08 (Capt.), <i>Right Half Back</i>	21..	.5 ft. 10 in..	160
G. S. BARD, '09, <i>Left Half Back</i>	19..	.5 ft. 9 in..	165
G. W. EMLIN, '08, <i>Left Guard</i>	20..	.5 ft. 11½ in..	166
C. K. DRINKER, '08, <i>Quarter Back</i>	20..	.5 ft. 10½ in..	148
C. S. MILLER, '08, <i>Left Tackle</i>	19..	.5 ft. 10½ in..	162
A. C. LEONARD, '08, <i>Left End</i>	21..	.5 ft. 4 in..	136
F. M. RAMSEY, '09, <i>Right Tackle</i>	22..	.5 ft. 10 in..	160
G. H. DEACON, '09, <i>Right Guard</i>	19..	.6 ft. 2½ in..	180
T. K. LEWIS, '09, <i>Right End</i>	21..	.5 ft. 7 in..	145
E. A. EDWARDS, '08, <i>Full Back</i>	21..	.5 ft. 9½ in..	165
R. N. SPAETH, '09, <i>Center</i>	20..	.5 ft. 9½ in..	164
F. A. MYERS, '09, <i>Quarter Back</i>	20..	.5 ft. 4 in..	136



HAVERFORD COLLEGE FOOT BALL TEAM, 1907-8

Photo. by Gilbert.

Foot Ball H's AwardedC. T. BROWN, '08, *Captain*

G. S. BARD, '09

G. W. EMLÉN, '08

R. A. SPAETH, '09

E. WRIGHT, '08

A. C. LEONARD, '08

E. A. EDWARDS, '08

C. L. MILLER, '08

Individual Points Scored*Touchdowns.**Goals.*

	POINTS.	
		C. T. BROWN..... 11
G. S. BARD.....	30	
C. T. BROWN.....	20	
E. A. EDWARDS.....	5	
C. L. MILLER.....	5	
GARDNER	5	
CLEMENT	5	

Interclass Foot Ball Games

Sophomores	5	Freshmen	0
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Association (Soccer) Foot Ball, 1907-08

C. T. BROWN, '08—*Chairman*

A. J. HILL, '09—*Ice-Chairman*

J. B. CLEMENT, '08—*Manager*

R. A. SPAETH, '09—*Asst. Manager*

C. K. DRINKER, '08—*Captain*

Games Played, with Scores

Haverford	3	Germantown C. C.	3
Haverford	1	Merion	4
Haverford	0	Belmont	1
Haverford	3	Philadelphia	1
Haverford	3	Pennsylvania	3
Haverford	1	P. & R. Railroad	3
Haverford	1	Germantown	2
Haverford	2	Philadelphia	0
Haverford	3	Columbia	0
Haverford	2	Pennsylvania	0
Haverford	4	Cornell	2
Haverford	1	Yale	2
Haverford	1	Harvard	0
<hr/>		<hr/>	
Total	25	Total	21

Three teams played during the season, all with reasonable success.



HAVERFORD COLLEGE SOCCER TEAM, 1907-8.

Photo. by Gilbert.

Statistics of the Soccer Team

A. J. HILL.....	<i>Outside Right</i>
T. K. LEWIS.....	<i>Inside Right</i>
H. A. FURNESS.....	<i>Center Forward</i>
W. R. SHOEMAKER.....	<i>Inside Left</i>
E. S. CADBURY.....	<i>Outside Left</i>
A. S. YOUNG.....	<i>Left Half-back</i>
T. K. SHARPLESS.....	<i>Center Half-back</i>
C. K. DRINKER (Captain)	<i>Right Half-back</i>
C. L. MILLER	<i>Left Full-back</i>
C. T. BROWN.....	<i>Right Full-back</i>
R. A. SPAETH.....	<i>Goal</i>
J. C. THOMAS.....	<i>Substitute</i>
W. JUDKINS.....	<i>Substitute</i>
F. TOSTENSON.....	<i>Substitute</i>

YALE.	<i>Positions.</i>	HAVERFORD.
Dougherty.....	Guard	Spaeth
Merritt.....	Left full-back	Miller
Mahlstedt.....	Right full-back	Brown
Noyes.....	Right half-back	Drinker
Wick.....	Center half-back	Sharpless
Goddard.....	Left half-back	Young
O'Sullivan.....	Right outside	Cadbury
Congdon.....	Right inside	Lewis
Jennings.....	Center forward	Thomas
Hart.....	Left inside	Shoemaker
McNulty.....	Left outside	Hill

Goals—Brown, Congdon, O'Sullivan. Fouls—Yale, 6; Haverford, 3. Referee—Birnbaum, Yale. Linesmen—George and Turnbull, Yale.

Soccer Games.

Games Played, with Scores

COLUMBIA.	<i>Positions.</i>	HAVERFORD.
Tallant.....	Guard	Spaeth
Voscamp.....	Right full-back	Brown
G. Dwyer.....	Left full-back	Miller
Kistler.....	Right half-back	Drinker
Ferguson.....	Center half-back	Sharpless
Hartung.....	Left half-back	Young
Billingley.....	Right outside	Cadbury
Smith.....	Right inside	Lewis
Diaz.....	Center forward	Furness
C. E. Dwyer.....	Left inside	Shoemaker
O'Brien.....	Left outside	Thomas

Referee—Waldron. Goals—Furness, Lewis, Cadbury. Time of halves— 30 minutes.

PENNSYLVANIA.	<i>Positions.</i>	HAVERFORD.
Bricker.....	Guard	Spaeth
Fenn.....	Right full-back	Brown
Maris.....	Left full-back	Miller
Crowell.....	Right half-back	Drinker
Hunter.....	Center half-back	Sharpless
Webster.....	Left half-back	Tostenson
Keenan.....	Right outside	Hill
Wood.....	Right inside	Lewis
Bamford.....	Center forward	Furness
Yost.....	Left inside	Shoemaker
Marsh.....	Left outside	Cadbury

Goals—Furness, Lewis. Time of halves—40 minutes. Referee—Waldron. Linesmen—Bishop and Ewing.

Soccer Games.

Games Played, with Scores

CORNELL.	<i>Positions.</i>	HAVERFORD.
Eustis.....	Guard	Spaeth
Richie.....	Right full-back	Brown
Wright.....	Left full-back	Miller
Tsai.....	Right half-back	Drinker
Towers.....	Center half-back	Sharpless
Galapiki.....	Left half-back	Young
Simimarkir.....	Right outside	Hill
Worden.....	Right inside	Lewis
Retana.....	Center forward	Furness (Thomas)
Crissides.....	Left inside	Shoemaker
Narrigan.....	Left outside	Cadbury

Haverford, 4; Cornell, 2.

Haverford College Bowling Team

J. CROWELL, '09, *Captain*

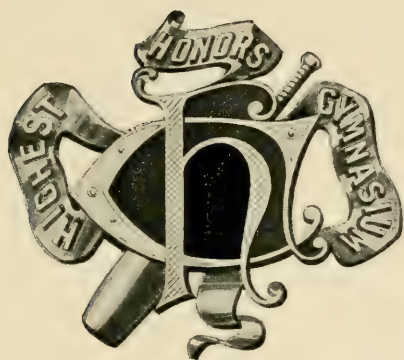
A. W. HUTTON, '10

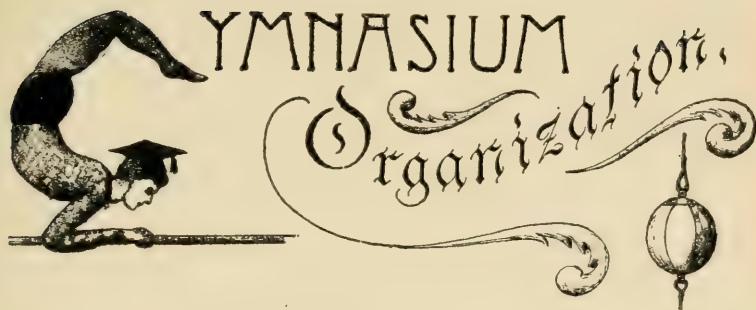
A. S. ROBERTS, '10

E. R. LEVIN, '11

L. MOORE, '09

Tied with U. of P. for Intercollegiate Championship. Columbia and Lafayette defaulted.





Haverford College Gymnasium Team, 1907-08

J. BUSHNELL, 3D, '08
E. A. EDWARDS, '08, *Captain*
A. C. LEONARD, '08
F. BAILEY, '08
F. A. MYERS, '09
S. MASON, '10
H. BURTT, '08
E. SHOEMAKER, '09
R. SPAETH, '09
J. PHILLIPS, '10
C. F. SCOTT, '08
G. S. BARD, '09
T. K. LEWIS, '09
W. R. SHOEMAKER, '08, *Manager*

Interclass Gymnasium Contest

(1907 Class Banner.)

The results:

HORIZONTAL BAR—Bushnell, '08, first; Edwards, '08, second;
Bard, '09, third.

SIDE-HORSE—Burt, '08, first; Lewis, '09, second; Phillips, '10,
third.

CLUB SWINGING—Myers, '09, first; Shoemaker, '09, second;
Scott, '08, third.

PARALLEL BARS—E. Edwards, '08, first; Mason, '10, second; N.
Edwards, '10, third.

FLYING RINGS—E. Edwards, '08, first; Baily, '08, second; Lewis,
'09, third.

TUMBLING—Bushnell, '08, first; Bard, '09, second; Mott, '09,
third.

TUMBLING (novice)—Drinker, '08, first; Spaulding, '10, second;
Moore, '09, third.

HORIZONTAL BAR (novice)—Sharpless, '09, first; Russel, '11,
second; Moore, '09, third.

SIDE-HORSE (novice)—David, '10, first; Sharpless, '09, second;
Thompson, '09, third.

FLYING RINGS (novice)—Morris, '10, first; Sharpless, '09, sec-
ond; Birdsall, '11, third.

The judges were Dr. F. R. Jacobs, '97; A. M. Collins, '97;
John Scull, '05; and W. H. Haines, '07.

Won by '08; '09, second; '10, third; '11, fourth

Annual Quadrangular Gymnastic Exhibition

HORIZONTAL BAR.

Ahrens, Fernandez.....	NEW YORK UNIVERSITY
Bradford, Erb.....	UNIVERSITY OF PENNSYLVANIA
Dowd, Vezin, McCabe.....	PRINCETON
Edwards, Bard.....	HAVERFORD

SIDE-HORSE.

Fernandez, Ackerman, Ahrens.....	N. Y. UNIVERSITY
Boice, Leitdke.....	UNIVERSITY OF PENNSYLVANIA
Lewis, Burt.....	HAVERFORD

CLUB SWINGING.

Flynn.....	N. Y. UNIVERSITY
Shoemaker.....	UNIVERSITY OF PENNSYLVANIA
Scott, Shoemaker, Myers.....	HAVERFORD

BALANCING TRAPEZE.

Vezin	PRINCETON
-------------	-----------

THREE HIGH.

Feagles, Gilmour, Miller.....	PRINCETON
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PARALLEL BARS.

Fernandez, Ahrens.....	N. Y. UNIVERSITY
Bradford, Boice, Erb.....	UNIVERSITY OF PENNSYLVANIA
Down, Vezin, McCabe.....	PRINCETON
Edwards, Mason.....	HAVERFORD

FLYING RINGS.

Kingsley, McNabb.....	N. Y. UNIVERSITY
Levi, Bradford.....	UNIVERSITY OF PENNSYLVANIA
Crawford, Dowd.....	PRINCETON
Edwards, Baily.....	HAVERFORD

TUMBLING.

Shiras, Werner, Thompson.....	N. Y. UNIVERSITY
Baily, Perkins.....	UNIVERSITY OF PENNSYLVANIA
Down	PRINCETON
Bard	HAVERFORD

Announcer—Green, Haverford.



HAVERFORD COLLEGE GYMNASIUM TEAM, 1907-8.

Photo. by Gilbert.

Gymnasium Contest

Haverford vs. Lehigh

February 15, 1908

Results :

HORIZONTAL BAR—First, E. A. Edwards, Haverford; second, G. S. Bard, Haverford.

SIDE HORSE—First, S. R. Young, Lehigh; second, T. K. Lewts, Haverford.

CLUB SWINGING—First, W. E. Frankenfield, Lehigh; second, E. Shoemaker, Haverford.

RINGS—First, A. W. Trembley, Lehigh; second, E. A. Edwards, Haverford.

TUMBLING—First, A. C. Leonard, Haverford; second, C. H. Vogt, Lehigh.

PARALLEL BARS—First, A. W. Trembley, Lehigh; second, S. Mason, Haverford.

Announcer, J. Green, '09.

Haverford, 27; Lehigh, 21.

Intercollegiate Gymnastic Contest

Haverford College vs. University of Pennsylvania

March 13, 1908

Results:

HORIZONTAL BAR—First, Bradford, U. of P.; second, Bard, Haverford.

SIDE HORSE—First, Lewis, Haverford; second, Boice, U. of P.

RINGS—First, Bradford, U. of P.; second, Edwards, Haverford.

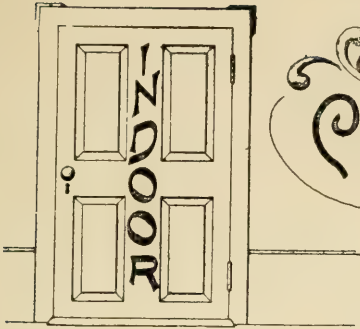
CLUB SWINGING—First, E. Shoemaker, Haverford; second, D. Shoemaker, U. of P.

PARALLEL BARS—First, Edwards, Haverford; second, Erb, U. of P.

TUMBLING—First, Leonard, Haverford; second, Baily and Perkins, U. of P., tie.

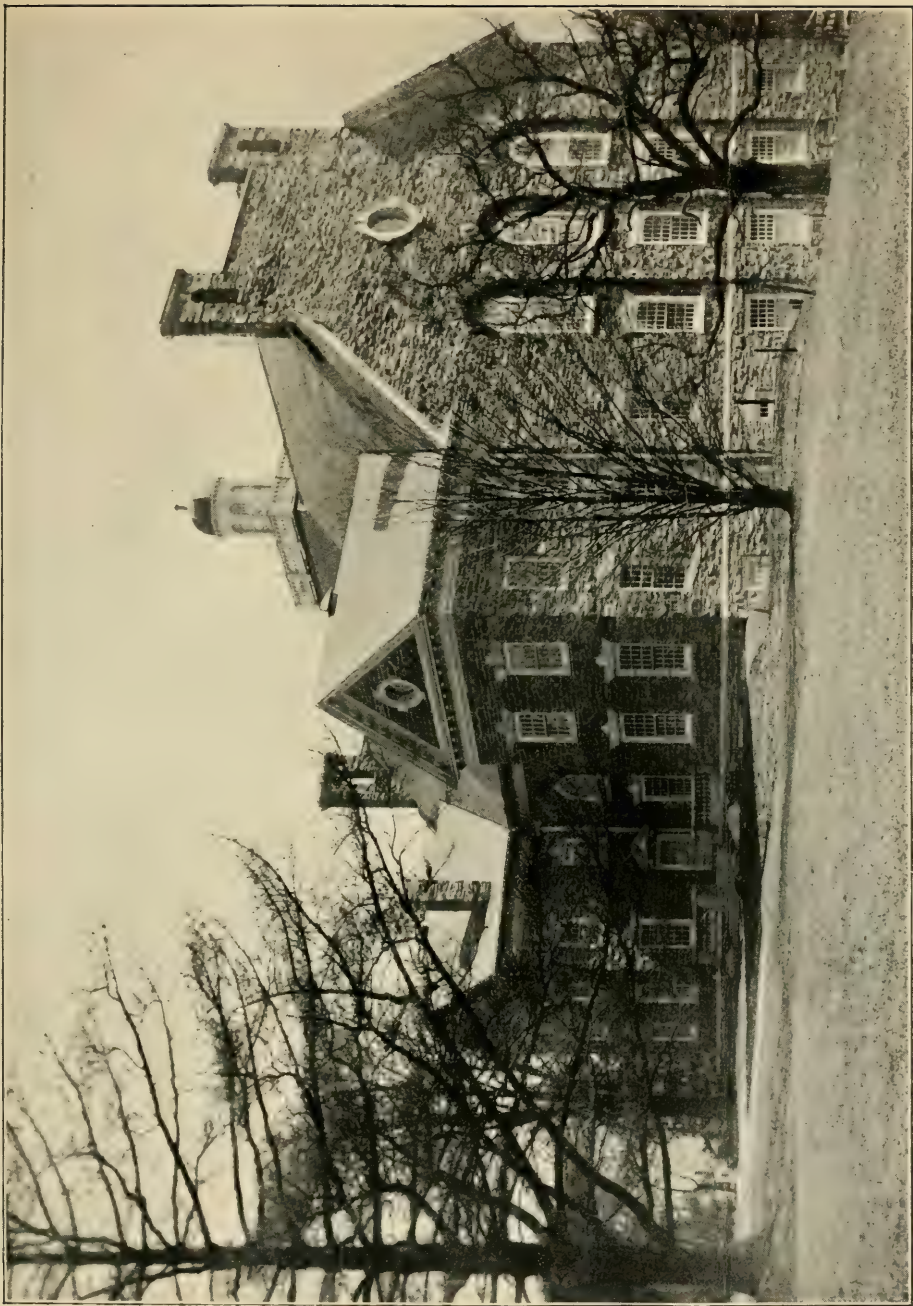
Judges—Dr. H. L. Chadwick and Dr. W. B. Noble.

Haverford, 25; U. of P., 23. Won by Haverford.



Gymnasium Records

Running High Jump....	E. B. Conklin, '99.....	5 ft. 9 $\frac{1}{8}$ in.
Spring-Board Jump....	W. B. Rodney, '97.....	7 ft. 2 in.
Horizontal Bar Jump....	F. B. Jacobs, '97.....	8 ft. 3 in.
Fence Vault	{ A. R. Yearsley, 1901..... Howard Burtt, 1908..... }	6 ft. 6 in.
High Kick	J. W. Reeder, 1902.....	9 ft. 6 in.
Putting Shot	V. W. Hall, 1902.....	38 ft. 5 in.
R. Hop, Skip and Jump..	J. W. Reeder, 1902.....	37 ft. 9 in.
Standing Broad Jump...W. V. Dennis, 1902.....	10 ft. $\frac{1}{2}$ in.	
Standing High Jump....	W. V. Dennis, 1902.....	4 ft. 6 in.
Chest Pull-up	F. N. Vail, '89.....	37
Chest Dip	F. N. Vail, '89.....	44
High Jump	E. B. Conklin, '99.....	5 ft. 9 $\frac{1}{8}$ in.
High Dive	I. H. Jenks, 1900.....	5 ft. 5 in.



HAVERFORD COLLEGE GYMNASIUM.

Interscholastic Gymnastic Meet

The fifth annual interscholastic gymnastic meet was held in the college gymnasium on Friday evening, February 14th.

There were one hundred and eleven entries from seventeen schools. The schools represented were: Blight, Brown Preparatory, Bordentown Military Institute, De Lancey, Episcopal Academy, Friends' Central, Friends' Select, Germantown Academy, Germantown Friends' School, Haverford School, Lawrenceville, Lower Merion High School, Newark Academy, Radnor High School, Swarthmore Preparatory, St. Luke's and the Tome School.

Episcopal won the meet, with a score of thirty-one points; Lawrenceville being a close second, with twenty-nine.

The results of events were as follows:

220-YARD DASH—First, Piper, Lawrenceville; second, Warton, Episcopal; third, Church, Episcopal.

RUNNING HIGH JUMP—First, Bartlett, Lawrenceville; second, MacMurray, Tome; third, Lowry, De Lancey.

HORIZONTAL BAR—First, Fisher, Episcopal; second, Wilson, Lawrenceville; third, Harding, Lawrenceville.

ROPE CLIMBING—First, Hires, Haverford; second, Stieff, Haverford; third, Wilson, Lawrenceville.

PARALLEL BARS—First, Biggs, Lawrenceville; second, Ruge, St. Luke's; third, Stouffer, Episcopal.

CLUB SWINGING—First, Lewis, Episcopal; second, Finletter, Episcopal; third, Clement, Episcopal.

TUMBLING—First, Stauffer, Episcopal; second, McGregor, Lawrenceville; third, Waples, Haverford.

HORSE—First, Annin, Lawrenceville; second, Lewis, Episcopal; third, Baldwin, Lawrenceville.

RINGS—First, Waples, Haverford; second, tie, Fisher and Erben, Episcopal.

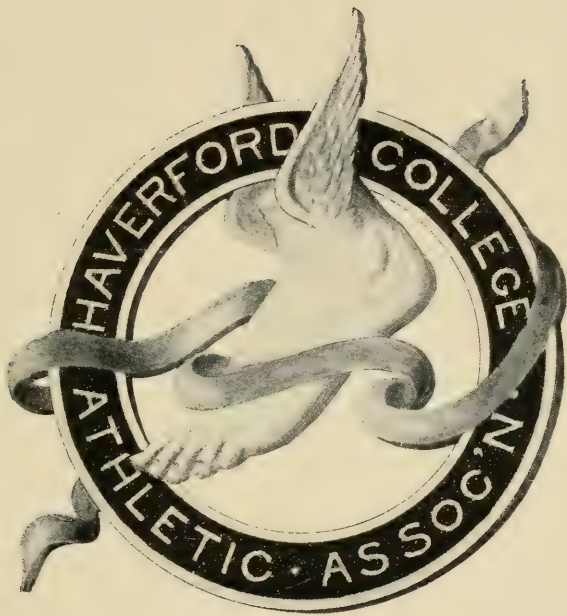
20-YARD DASH—First, Gill, Tome; second, Armstrong, St. Luke's; third, Towne, Haverford.

The officials were: Judges, gymnastic—Dr. J. Peterson Ryder, Dr. F. A. Finkelday, Mr. C. S. Bushnell, Mr. E. A. Edwards, Mr. E. C. Rossmassler, Mr. C. Ward Beam. Track—Mr. F. M. Eshleman, Mr. H. N. Thorn, Mr. W. W. Justice, Mr. T. K. Brown, Jr., Mr. J. Bushnell, 3d, Dr. H. Howard Jenks, Mr. W. H. Haines. Starter—Mr. Bascom Johnson.

The committee was composed of Sargent, '08, chairman; Drinker, '08; Clement, '08; Strode, '08; Miller, '08; Hill, '09; Spiers, '09; Warnock, '09; Kerbaugh, '10; Kenderdine, '10; Wilson, '10; Dr. J. A. Babbitt, *ex-officio*.

Assistant marshals, Haines, '10, and Furness, '10.

Announcer, Killen, '09, and Clerk of the Course, Drinker, '08.



Track Team, 1908

J. BUSHNELL, 3D, '08—*Captain*

G. S. BARD, '09	E. A. RUSSELL, '11
F. M. RAMSEY, '09	J. W. CRITES, '08
W. PALMER, '10	D. CARY, '10
R. H. MORRIS, '10	J. P. WILSON, '10
A. S. ROBERTS, '10	J. ASHBROOK, '11
W. JUDKINS, '10	E. A. EDWARDS, '08
A. C. LEONARD, '08	FROELICHER, '10
H. GALLAGHER, '11	D. HINSHAW
E. R. LEVIN, '11	W. JUDKINS

Relay Carnival, Franklin Field

April 25, 1908

Team

PALMER, '10	CARY, '10
ROBERTS, '10	GALLAGHER, '11
ASHBROOK, '11 (Sub.)	WILSON, '10 (Sub.)

Colleges Represented.

RUTGERS
COLLEGE OF CITY OF NEW YORK
WESTERN MARYLAND COLLEGE
LEHIGH
DICKINSON
CARLISLE
JOHNS HOPKINS

HOLDERS of the Walton Prize Cup

<i>Year.</i>	<i>Name.</i>	<i>Class.</i>	<i>Points.</i>
1901.....	J. W. Reeder	1902.....	23
1902.....	J. W. Reeder	1902.....	53½
1903.....	T. K. Brown, Jr.	1906.....	42
1904.....	T. K. Brown, Jr.	1906.....	45
1905.....	T. K. Brown, Jr.	1906.....	58½
1906.....	T. K. Brown, Jr.	1906.....	77
1907.....	Walter Palmer	1910.....	62
1908.....	Walter Palmer	1910.....	66

Track Department

A. C. LEONARD, '08—*Chairman*

G. S. BARD, '09—*Vice-Chairman*

W. SARGENT, JR., '08—*Manager*

A. D. WARNOCK, '09—*Asst. Manager*

J. BUSHNELL, 3D, '08—*Captain*

Sophomore-Freshman Track Meet

The annual Sophomore-Freshman Track Meet was held on Walton Field, October 2. The Sophomores won by a score of forty-five to twenty-six.

EVENTS.

100-YARD DASH—First, Palmer, '10; second, Roberts, '10; third, Ashbrook, '11. Time, 11 seconds.

220-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Gallagher, '11. Time, 26 1-5 seconds.

HALF-MILE RUN—First, Roberts, '10; second, Coates, '10; third, Russell, '11. Time, 2.13 1-5 seconds.

120-YARDS HURDLES—Forfeited by Sophomores.

QUARTER-MILE RUN—First, Palmer, '10; second, Gallagher, '11; third, Roberts, '10. Time, 58 seconds.

HIGH JUMP—First, Cary, '10; second, Froelicher, '10; third, Gardiner, '11. Height, 5 ft. 2 1-2 inches.

BROAD JUMP—First, Gardiner, '11; second, Froelicher, '10; third, Roberts, '10. Distance, 19 ft. 5 inches.

SHOT-PUT—First, Palmer, '10; second, Hartshorne, '11; third, Froelicher, '10. Distance, 29 ft. 3 inches.

The Twentieth Annual Interclass Spring Athletic Meet

220-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Wilson, '10. Time, 23 4-5 sec.

BROAD JUMP—First, Froelicher, '10, 20 ft. 6 in.; second, Bard, '09, 20 ft. 1 in.; third, Moore, '09, 18 ft. 10½ in.

SHOT-PUT—First, Kreitz, '08, 35 ft. 9½ in.; second, Warnock, '09, 34 ft. 2½ in.; third, Hinshaw, '11, 34 ft. 1 in.

100-YARD DASH—First, Palmer, '10; second, Ashbrook, '11; third, Gallager, '11. Time, 10 3-5 sec.

QUARTER-MILE—First Palmer, '10; second, Roberts, '10; third, Levin, '11. Time, 56 sec.

220-YARD LOW HURDLES—First, Bard, '10; second, Palmer, '09; third, Hartshorne, '11.

HALF-MILE—First, Roberts, '10; second, Thompson, '09; third, Smith, '11. Time, 2.14.

TWO-MILE—First, Morris, '10; second, Edwards, '10; third, Russel, '11. Time, 11.36.

ONE-MILE—First, Roberts, '10; second, Thompson, '09; third, Smith, '11. Time, 5.01.

120-YARD HIGH HURDLES—First, Bard, '09; second, Cary, '10; third, Palmer, '10. Time, 17 2-5.

POLE VAULT—First Leonard, '08; second, Bard, '09; third, Russel, '11. Height, 10 ft.

DISCUS THROW—First, Froelicher, '10; second, Crites, '08; third, Green, '09. Distance, 93 ft. 2 in.

HIGH JUMP—Tied for first, Bart, '09; Cary, '10; Hartshore, '11. Height, 5 ft. 2 in.



HAVERFORD COLLEGE TRACK TEAM, 1927-8.

Photo. by Gilbert.



Lehigh and Haverford

Wednesday, May 13, 1908

Walton Field, Haverford

120-YARD HURDLES—Won by Amen, Lehigh; second, Bard, Haverford. Time, 16 2-5 seconds.

HALF-MILE RUN—Won by Roberts, Haverford; second, Gilligan. Time, 2 minutes 5 2-5 seconds.

100-YARD DASH—Won by Palmer, Haverford; second, Ashbrook, Haverford. Time, 10 2-5 seconds.

TWO-MILE RUN—Won by Dunning, Lehigh; second, Morris, Haverford. Time, 10 minutes 38 3-5 seconds.

220-YARD DASH—Won by Palmer, Haverford; second, Ashbrook, Haverford. Time 23 seconds.

220-YARD HURDLES—Won by Amen, Lehigh; second, Leonard, Haverford. Time, 27 2-5 seconds.

ONE-MILE RUN—Won by Dawson, Lehigh; second, Willgoose, Lehigh. Time, 4 minutes 48 4-5 seconds.

QUARTER-MILE RUN—Won by Palmer, Haverford; second, Amen, Lehigh. Time, 54 3-5 seconds.

HIGH JUMP—Won by Riley, Lehigh; second, Young, Lehigh. Height, 5 feet 5 inches.

POLE VAULT—Bard and Leonard, Haverford, tie. Height, 9 feet 9 inches.

BROAD JUMP—Won by Desh, Lehigh; second, Scott, Lehigh. Distance, 20 feet 3 inches.

SHOT PUT—Crites, Haverford, and Slate, Lehigh, tie. Distance, 35 feet 2 inches.

HAMMER THROW—Won by Ramsey, Haverford; second, Crocker, Lehigh. Distance, 119 feet 11 1-2 inches.

Result: Tie at 52 points.

Intercollegiate Athletics

New York University vs. Haverford

May 16, 1908

100-YARD DASH—First, Hammond, N. Y. U.; second, Palmer, Haverford. Time, 10 2-5 seconds.

220-YARD DASH—First, Palmer, Haverford; second, Ashbrook, Haverford. Time, 22 3-5 seconds.

QUARTER-MILE RUN—First, Palmer, Haverford; second, Morlin, N. Y. U. Time, 53 2-5 seconds.

HALF-MILE RUN—First, Smith, N. Y. U.; second, Roberts, Haverford. Time, 2 minutes 5 3-5 seconds.

MILE RUN—First, Davenport, N. Y. U.; second, Thompson, Haverford. Time, 4 minutes 47 seconds.

TWO-MILE RUN—First, Davenport, N. Y. U.; second, Morris, Haverford. Time, 10 minutes 34 seconds.

120-YARD HURDLES—First, Bard, Haverford; second, Judkins, Haverford. Time, 17 seconds.

220-YARD LOW HURDLES—First, Hammond, N. Y. U.; second, Bard, Haverford. Time, 27 3-5 seconds.

HIGH JUMP—Bard, Haverford, Van Cliff, N. Y. U., tie. Height, 5 feet 4 inches.

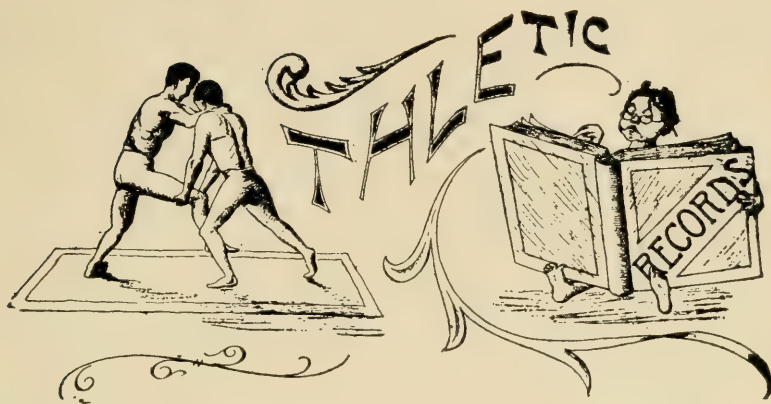
BROAD JUMP—First, Butler, N. Y. U.; second, Bard, Haverford. Distance, 20 feet 6 1-2 inches.

SHOT PUT—First, Crites, Haverford; second, Hanshaw, Haverford. Distance, 35 feet 11 inches.

HAMMER THROW—First, Ramsey, Haverford; second, Arnold, N. Y. U. Distance, 103 feet 10 inches.

POLE VAULT—Bard, Haverford, Leonard, Haverford, tie. Height, 10 feet.

Won by Haverford, 61-43.



<i>Event.</i>	<i>Made by</i>	<i>Time or Dist.</i>	<i>Date.</i>
100-Yard Dash	W. W. Hall, '02....	10 2-5 sec.	1899
	E. Y. Brown, Jr, '01....	10 2-5 sec.	1900
	W. Palmer, '10....	10 2-5 sec.	1907
220-Yard Dash	W. Palmer, '10....	22 3-5 sec.	1908
440-Yard Dash	W. Palmer, '10	52 3-5 sec.	1907
Half-Mile Run	E. C. Tatnall, '07.	2 m. 3 4-5 sec.	1905
Mile Run	P. J. Baker, '10....	4 m. 35 sec.	1907
Two-Mile Run	W. K. Miller, '06....	10 mi. 22 sec.	1906
120-Yard Hurdles	T. K. Brown, Jr., '06,	15 4-5 sec.	1905
220-Yard Hurdles	J. W. Reeder, '02.....	27 sec.	1902
Running Broad Jump	T. K. Brown, Jr., '06,	21 ft. 2½ in.	1905
Running High Jump	E. B. Conklin, '99....	6 ft. 1 in.	1899
Putting 16-lb. Shot.....	W. W. Hall, '02....	37 ft. 8 in.	1899
Throwing 16-lb. Hammer..	H. W. Jones, '05....	123 ft. 6 in.	1905
Throwing Discus.....	E. F. Jones, '07.....	99 ft. 5 in.	1906
Pole Vault	G. S. Bard	10 ft. 6½ in.	1907



INTERIOR OF THE GYMNASIUM ON JUNIOR DAY.

Tennis Department

F. C. BAILY—*Manager*

W. S. FEBIGER—*Asst. Manager*

C. L. MILLER—*Captain*

Team.

Baily, '08

Palmer, '10

Allison, '10

Hutton, '10

Furness, '10

Miller (Capt.), '08

Fall Tournament

Furness, '10, won the singles tournament by defeating Baily, '08, in the final. Score, 6-1, 6-0, 6-4.

Hutton, '10, and Palmer, '10, won the doubles tournament by defeating Baily, '08, and Miller, '08. Score, 9-7, 6-4 2-6, 6-2.

Spring Intercollegiate Meet

Haverford vs. Swarthmore

Baily defeated Sharpless, 6-3 6-4.

Palmer defeated Wetter, 6-4, 6-4.

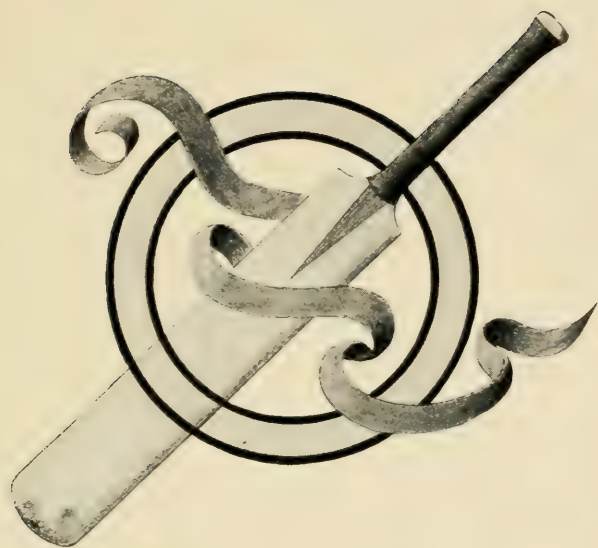
Allison and Miller defeated Wetter and Dietrich, 6-0, 6-8, 6-4, 2-6, 9-7.

Haverford vs. Lehigh

Baily defeated Cunningham, 6-4, 6-3.

Miller defeated Carey, 6-4, 2-6, 9-7.

Allison defeated Miller, 6-4, 6-3, 6-2.



Cricket Department

C. K. DRINKER, '08—*Chairman*

T. K. LEWIS, '09—*Vice-Chairman*

F. A. MYERS, JR., '09—*Asst. Mgr. and Sec.*

J. B. CLEMENT, '08—*Captain*

E. A. EDWARDS, '08—*Manager*

Ground Committee

C. K. DRINKER, '08

R. N. SPAETH, '09

C. T. BROWN, '08

J. B. CLEMENT, '08

T. K. SHARPLESS, '09

J. BUSHNELL, 3D, '08

Cricket Schedule, 1908

First Eleven

Saturday, April 25—Frankford at Frankford.

Saturday, May 2—Germantown at Haverford

Wednesday, May 6—Pilgrims at Haverford.

Saturday, May 9—Baltimore C. C. at Baltimore.

Friday, May 15—Harvard at Haverford.

Saturday, May 16—Radnor at Wayne.

Wednesday, May 20—Next 15 at Haverford.

Saturday, May 23—Cornell at Ithaca.

Saturday, May 30—Pennsylvania at Haverford.

Saturday, June 6—All Scholastic at Haverford.

Second Eleven

Saturday, April 25—Frankford at Haverford.

Saturday, May 2—Germantown at Manheim.

Saturday, May 9—Merion at Haverford.

Saturday, May 16—Next 15 at Haverford.

Wednesday, May 20—First Eleven at Haverford.

Saturday, May 23—Merchantville at Merchantville.

Saturday, June 6—Radnor at Haverford.

Third Eleven

Saturday, April 11—Westtown School at Haverford.

Wednesday, April 29—Central High School at Haverford.

Wednesday, May 6—Germantown Academy at Haverford.

Friday, May 8—Friends' Select at Haverford.

Tuesday, May 12—Penn Charter at Haverford.

Saturday, May 23—Williamson School at Haverford.

Class Games

Tuesday, April 28—1910 *vs.* 1911.

Monday and Tuesday, May 4 and 5—1908 *vs.* 1909.

Wednesday and Thursday, May 13 and 14—Championship.



Haverford College Cricket Team, 1907-8.

Photo. by Gilbert.

Cricket Prizes for 1907

The Cricket Prizes for 1907 were awarded as follows:

First Eleven

Colors—J. B. CLEMENT, JR., '08.

Cope Prize Bat for best average—A. W. HUTTON, '10. Average, 31.6.

Congdon Prize Ball—J. B. CLEMENT, JR., '08. Average, 8.2.

Haines Prize Fielding Belt—J. P. MAGILL, '07.

Second Eleven

Class of '85 Prize Bat—J. C. THOMAS, '08. Average, 14.6.

Class of '85 Prize Ball—J. W. NICHOLSON, JR., '07. Average, 6.5.

Class of '85 Prize Fielding Belt—T. K. LEWIS, '09.

Other Prizes

Improvement Bat—S. MASON, JR., '10.

Shakespeare Bat—S. MASON, JR., '10. Average, 18.

C. R. Hinchman Prize Bat—A. W. HUTTON, '10. Average, 67.

Christian Febiger Prize Ball—J. B. CLEMENT, JR. Average, 7.7.

Prize Bat, best Freshman batsman—H. A. FURNESS, '10.

Prize Ball to best Freshman Bowler—E. S. CADBURY, '10.

Prize Cup to best All-around Freshman—H. A. FURNESS, '10.

Class of '85 Prize Ball—Class of 1907.

Cricket Teams, 1908

First Eleven

J. B. Clement, Jr., '08 (Capt.)	R. N. Brey, '09
E. A. Edwards, '08	T. K. Lewis, '09
J. C. Thomas, '08	C. K. Drinker, '08
C. T. Brown, '08	H. Furness, '10
T. K. Sharpless, '09	A. Hutton, '10
W. Hartshorn, '11	

Second Eleven

R. A. Spaeth, '09 (Capt.)	J. Pennypacker, '09
F. Bailey, '08	E. Cadbury, '10
E. Wright, '08	W. Judkins, '10
C. S. Scott, '08	F. R. Taylor, '09
F. A. Myers, '09	G. Mixter, '11
J. Downing, '11	

Third Eleven

C. Miller (Capt.), '08	F. David, '10
G. S. Strode, '08	C. Haines, '10
A. J. Hill, '09	N. Edwards, '10
H. Taylor, '11	W. J. Young, '11
G. Kerbaugh, '10	H. Ferris, '11
W. Klein, '11	

Intercollegiate Series, June 5, 1908.

PENNSYLVANIA.		HAVERFORD.	
Graham, b. Thomas	5	Edwards, b. Hordern	0
Lee, b. Clement	6	Brey, c. and b. Keenan	2
Latchell, b. Thomas	7	Brown, b. Crowell	20
Hunter, b. Thomas	5	Furness, b. Keenan	3
Hales, b. Thomas	10	Hutton, c. Hordern, b. Keenan	0
Morris, b. Thomas	45	Drinker, c. Crowell, b. Hordern	11
Keenan, c. Thomas, b. Clement	32	Sharpless, not out	9
McElhone, b. Thomas	0	Clement, c. Keenan, b. Hordern	0
Hordern, c. Furness, b. Clement	10	Lewis, b. Hordern	0
Crowell, not out	1	Thomas, c. Morris, b. Hordern	0
Mann, c. Hutton, b. Clement	0	Extras	10
Extras	12	Hartshorne, b. Hordern	9
Total	133	Total	64

Haverford vs. Merion**Cope Field**

A. Hughes, b. Clement	6
A. B. Mifflin, b. Thomas	6
F. D. Godley, b. Clement	4
D. McFarland, b. Clement	0
S. Gummere, b. Hartshorn	11
A. G. Hare, b. Clement	3
F. Williams, b. Clement, stumper Mason.....	0
F. A. Myers, b. Clement	4
J. Pennypacker, b. Hartshorn	7
L. Kerbaugh b. Hartshorn	0
J. Downing, not out	10
Byes	1
Leg-byes	1
<hr/>	
Total	57

Haverford

E. A. Edwards, c. and b. Macfarlin	27
N. E. Bry, c. Williams, b. Macfarlin	0
C. T. Brown, l. b. w., b. Godley	1
A. Hutton, c. Downing, b. Godley	13
F. Bailey, c. Mifflin, b. Macfarlin	3
R. W. Spaeth, b. Macfarlin	1
B. Clement, c. Macfarlin, b. Godley	2
W. Hartshorn, c. Godley, b. Macfarlin	0
S. Mason, run out	3
T. K. Lewis, not out	10
J. C. Thomas, b. Hughes	8
Byes	2
Leg-byes	1
Wides	1
<hr/>	
Total	81

Haverford vs. Cornell

238 to 25.

Cornell

C. Lex, b. Clement	0
L. Chryssides, b. Clement	2
C. Wright, b. T. Thomas, c. Brown.....	3
V. Naryan, b. Clement	8
L. Paul, b. Clement	1
W. Richie, b. Clement	3
J. Sowers, b. Clement	0
M. Flint, not out	0
P. Monroe, b. Thomas	0
A. Bertel, c. Edwards, b. Thomas	0
F. Cornell, c. Hartshorne, b. Thomas	0
Byes	7
Leg-byes	1
<hr/>	
Total	25

Haverford

E. A. Edwards, b. Wright	48
N. Brey, b. Ritchie	1
A. Hutton, c. Paul, b. Wright	42
C. T. Brown, c. Bertel, b. Wright	39
F. A. Myers, b. Richie	0
F. Bailey, c. Wright, b. Richie	8
T. Sharpless, c. Chryssides, b. Richie	1
T. K. Lewis, c. Flint, b. Chryssides	12
J. B. Clement, not out	29
J. C. Thomas, c. Chryssides, b. Paul	16
W. Hartshorn, c. Bertel, b. Paul	23
Byes	15
Leg-byes	2
Wides	2
<hr/>	
Total	238

Results of Cricket Matches

First Eleven

Haverford	48
Frankford	140
Haverford	63
Germantown	60
Haverford	75
Merion	57
Haverford	Draw
Radnor	Draw
Haverford	238
Cornell	25

Second Eleven

Haverford	58
Frankford	113
Haverford	98
Next Fifteen	86

Third Eleven

Haverford	50
Westtown B. S.	30
Haverford	102
Central High School	80
Haverford	54
Penn Charter School	42

Regulations for Awarding Insignia, Haverford College

I.

All committees for awarding college emblems shall be held responsible to the Athletic Association.

II.

The Varsity H for all branches of athletics shall be of a uniform shape, and either of two sizes. The H shall conform to the one of the two standard patterns which shall be kept by the Athletic Association.

III. FOOTBALL.

The football sweater shall be scarlet, with black neck, wristlets and waistband, with a black H. The wristlets and waistband shall each be three and one-half ($3\frac{1}{2}$) inches in width.

The football jersey shall be black, with striped sleeves, a scarlet neck and a scarlet waistband, with a scarlet H. The stripes, which shall be two inches wide, shall be alternate scarlet and black.

Men not holders of a football H shall not wear any part of the uniform except on the football field.

The football H shall be awarded each year by the captain, manager, and chairman of the football department. No more than 12 H's shall be awarded in any one year, and these shall be awarded to the most deserving men.

IV. CRICKET.

The cricket colors shall consist of the cricket sweater, the scarlet and black blazer and cap, and the scarlet and black sash. The cricket sweater shall be white with a low neck, and a lower waistband of scarlet and black, one and one-half ($1\frac{1}{2}$) inches wide, and shall have on the breast a scarlet Varsity H.

The cricket colors shall be awarded each year by the Ground

Committee of the Cricket Department. Colors shall be awarded to the most deserving players each year, and shall be limited to eleven in number.

V. TRACK.

The track uniform shall consist of a white sleeveless jersey and white running trousers, with scarlet and black stripes down the sides and with a scarlet and black waistband.

The track Varsity sweater shall be a plain scarlet sweater, and the track H shall be a black Varsity H on both the sweater and the jersey.

The track H shall be awarded each year by the captain, manager and chairman of the Track Department at their discretion. The following men only shall be eligible for consideration:

(a) Men who have won a point or part of a point in the annual meet of the I. C. A. A.

(b) Men who have won one first place and three (3) other points; or who have tied for first place and won three (3) other points.

(c) Members of a winning relay team in the relay carnival at Franklin Field who have won three points in dual meets during the season.

VI. GYMNASIUM.

The gymnasium uniform shall consist of a red sleeveless jersey, black tights, black leotod, scarlet belt, and black shoes. The emblem, which shall be worn only on the jersey, shall conform to the pattern kept by the Athletic Association.

The gymnasium H and emblem shall be awarded each year by the captain, manager and chairman of the Gymnasium Department. The H shall be awarded to not more than two men each year and shall be awarded to the most deserving two. The emblem shall be awarded only to men winning a first or two seconds in a dual meet.

VII. SOCCER.

The soccer uniform shall consist of a gray shirt with a scarlet and black sash running diagonally over the right shoulder;

khaki trousers and gray stockings. Any man who has played in two intercollegiate games shall be entitled to wear the college seal on the pocket of his shirt.

The soccer sweater shall be a plain gray sweater with a black Varsity H. The soccer H shall be awarded each year by the Ground Committee of the Soccer Association, to not more than three (3) men.

VIII. VARSITY CAP.

There shall be a Varsity cap, which may be worn by the holders of any Varsity H. This cap shall be a plain black eton cap, with a scarlet H, which shall be one and one-half ($1\frac{1}{2}$) inches in height and one (1) inch in width, and which shall conform in shape to the Varsity H.

IX. WEARING OF EMBLEMS.

No person shall be entitled to wear any emblems, uniforms or parts of uniforms above mentioned except on the field or in a meet, until that person shall have been authorized to do so by the committees having charge of the same.

X. HATS AND CAPS.

No person shall wear an H, either plain or in monogram, on any hat or cap except on the Varsity cap.

NOTE.—This rule does not apply to the class hats or caps of classes in college in June, 1907.

XI. CLASS NUMERALS.

Class numerals on sweaters and jerseys shall be awarded to not more than eleven men on any class football or cricket team, to be selected by the captain, manager and chairman of the respective departments; to men winning one first or two seconds in the Sophomore-Freshman track meet, or to the winner of the college tennis tournament in singles.

Numerals may be worn only by those who have won them, upon the regulation class jersey—a black jersey with scarlet cuffs.

waistband, neck, and numerals—or on any style sweater, except the Varsity sweater, in black or scarlet and black.

Numerals won for football, cricket and association football shall be awarded by the same committee that awards the corresponding H in each department, subject to the following regulations:

Football.—Numerals may be awarded to Sophomores and Freshmen who play in the Sophomore-Freshman game. And to not more than five (5) Seniors and Juniors, deserving them for good, conscientious work during the season, either on the Scrub or on the Varsity; except that those who receive their Varsity H shall not be awarded numerals. The awards shall be made each year.

Cricket.—Numerals may be awarded to not more than six (6) members of the team winning the Class Championship, and to not more than four (4) members of any of the other class teams, and they shall be awarded to the most deserving each year.

Track.—The winning of a first place and three (3) additional points in the Sophomore-Freshman track meet or a first place in the Interclass track meet secures numerals.

Tennis.—The college champion in singles shall be awarded numerals.

Association Football.—Numerals may be awarded to not more than three (3) members of any class team; and shall be awarded to the most deserving each year.

Twelfth month 12, 1907.

The Walton Prize Cup

Presented by Mr. Ernest F. Walton, of the Class of 1890. for the encouragement of individual athletic work, and to be awarded annually to the student who wins the highest total of points in athletic competition during the college year, and subject to the following conditions:

1. The athletic events accepted shall be those of the annual inter-class athletic meeting, the sophomore-freshman athletic sports, the Pennsylvania relay carnival, the annual Princeton handicap games, and the I. C. A. A. A. A. meeting. Additional events may be accepted at the discretion of the committee of award. (Dual college meets now included.)

2. Points shall count as follows:

INTER-CLASS ATHLETIC MEETING—Five, three and one for first, second and third places, respectively.

SOPHOMORE-FRESHMAN SPORTS—Three, two and one for first, second and third places.

DUAL COLLEGE MEETS—Five, three and one for first, second and third places, respectively.

PENNSYLVANIA RELAY CARNIVAL—Five or three points for each member of the team winning first or second place.

PRINCETON HANDICAP MEETING—Ten, six and two for first, second and third places.

I. C. A. A. A. A. MEETING—Twenty, fifteen, ten and five points for first, second, third and fourth places, respectively.

3. The athletic sub-committee of the general advisory athletic committee of the alumni and students shall constitute the committee of award.

4. The winner of the Cup shall hold the same for one year and his name with total points won shall be inscribed upon it.

5. The Cup shall be returned to the athletic director immediately after the Intercollegiate Meeting (I. C. A. A. A. A.), and shall be re-awarded within the two weeks following the same meeting.

6. The conditions above outlined may be modified at the unanimous wish of the joint student and alumni committee, with the consent of the donor.



Cope Prize Bat

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877	E. T. COMFORT.....	'78.....	18.83
1878	E. T. COMFORT.....	'78.....	10.03
1879	SAMUEL MASON.....	'80.....	14.
1880	SAMUEL MASON.....	'80.....	17.57
1881	T. N. WINSLOW.....	'81.....	12.5
1882	G. B. SHOEMAKER.....	'83.....	9.6
1883	W. F. PRICE.....	'81.....	11.88
1884	SAMUEL BETTLE.....	'85.....	17.25
1885	SAMUEL BETTLE.....	'85.....	23.
1886	G. S. PATTERSON.....	'88.....	32.8
1887	A. G. GARRETT.....	'87.....	35.66
1888	T. E. HILLES.....	'88.....	9.6
1889	R. L. MARTIN.....	'92.....	13.
1890	C. H. BURR, JR.....	'89.....	19.14
1891	J. W. MUIR.....	'92.....	38.5
1892	J. W. MUIR.....	'92.....	26.25
1893	J. A. LESTER.....	'96.....	100.5
1894	J. A. LESTER.....	'96.....	62.2
1895	J. A. LESTER.....	'96.....	49.83
1896	J. A. LESTER.....	'96.....	41.1
1897	C. G. TATNALL.....	'97.....	9.85
1898	T. WISTAR.....	'98.....	21.75
1899	F. C. SHARPLESS.....	1900.....	26.
1900	F. C. SHARPLESS.....	1900.....	37.
1901	C. C. MORRIS.....	1904.....	21.80
1902	C. C. MORRIS.....	1904.....	35.20
1903	C. C. MORRIS.....	1904.....	50.56
1904	W. P. BONBRIGHT.....	1904.....	31.20
1905	R. L. PEARSON.....	1905.....	37.
1906	A. T. LOWRY.....	1906.....	25.8
1907	A. W. HUTTON.....	1910.....	31.6

Congdon Prize Ball

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Average</i>
1877—	J. M. W. THOMAS	'78.....	1.11
1878—	E. T. COMFORT	'78.....	6.47
1879—	W. C. LOWRY	'79.....	5.81
1880—	B. V. THOMAS	'83.....	5.78
1881—	W. L. BAILY	'83.....	5.31
1882—	A. C. CRAIG	'84.....	4.30
1883—	W. L. BAILY	'83.....	8.00
1885—	W. F. HILLES	'85.....	4.50
1886—	A. C. GARRETT	'87.....	8.25
1887—	J. W. SHARP, JR.	'88.....	7.86
1888—	H. P. BAILY	'90.....	5.47
1889—	H. P. BAILY	'90.....	5.86
1890—	H. P. BAILY	'90.....	6.50
1891—	D. H. BLAIR	'91.....	17.50
1892—	JOHN ROBERTS	'93.....	7.33
1893—	JOHN ROBERTS	'93.....	7.90
1894—	A. P. MORRIS	'95.....	5.97
1895—	A. P. MORRIS	'95.....	6.46
1896—	J. A. LESTER	'96.....	6.19
1897—	R. S. WENDELL	1900.....	8.25
1898—	L. W. DEMOTTE	1901.....	5.22
1899—	W. S. HINCHMAN	1900.....	9.40
1900—	L. W. DEMOTTE	1901.....	6.00
1901—	L. W. DEMOTTE	1901.....	8.13
1902—	N. A. SCOTT	1902.....	10.92
1903—	H. PLEASANTS, JR.	1906.....	7.49
1904—	F. D. GODLEY	1907.....	4.83
1905—	H. PLEASANTS, JR.	1906.....	7.47
1906—	F. D. GODLEY	1907.....	8.47
1907—	J. B. CLEMENT, JR.	1908.....	8.2

Haines Prize Fielding Belt

<i>Year</i>	<i>Name</i>	<i>Class</i>	<i>Year</i>	<i>Name.</i>	<i>Class</i>
1876—	C. S. CROSMAN	'78	1892—	S. W. MORRIS	'94
1877—	A. L. BAILY	'78	1893—	W. W. SUPPLEE	'95
1878—	J. E. SHEPPARD	'79	1894—	F. P. RISTINE	'94
1879—	A. P. CORBITT	'80	1895—	J. H. SCATTERGOOD . .	'96
1880—	W. F. PRICE	'81	1896—	A. G. SCATTERGOOD . .	'98
1881—	B. V. THOMAS	'83	1897—	A. G. SCATTERGOOD . .	'98
1882—	S. B. SHOEMAKER . . .	'83	1898—	A. G. SCATTERGOOD . .	'98
1883—	W. L. BAILY	'83	1899—	W. S. HINCHMAN . .	1900
1884—	W. S. HILLES	'85	1900—	W. V. DENNIS	1902
1885—	W. F. PRICE	'81	1901—	C. C. MORRIS	1904
1886—	J. W. SHARP, JR. . . .	'88	1902—	A. C. WOOD, JR. . . .	1902
1887—	H. P. BAILY	'90	1903—	J. B. DRINKER	1903
1888—	C. H. BURR, JR. . . .	'89	1904—	H. H. MORRIS	1904
1889—	J. S. STOKES	'86	1905—	A. T. LOWRY	1906
1890—	J. W. MUIR	'90	1906—	H. W. DOUGHTEN, JR.	1906
1891—	G. THOMAS, 3D.	'91	1907—	J. P. MAGILL, 1907.	

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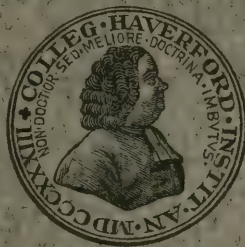
VOL. VI

EIGHTH MONTH, 1908

No. 5

Alumni Number

1908



Issued Quarterly by Haverford College,
Haverford, Pa.

Entered December 10th, 1902, at Haverford, Pa.,
as Second Class Matter under Act of Congress of July 16th, 1894

Proceedings

of the

Fifty-second Annual Meeting

of the

Alumni Association

of

Haverford College

Held in Roberts Hall, June 10, 1908

THE Fifty-second Annual Meeting of the Alumni Association of Haverford College was held at Haverford, in Roberts Hall, on June 10, 1908. President Frederic H. Strawbridge, '87, called the meeting to order at 6.35 p. m.

On motion the roll call was omitted, but apparently about one hundred and twenty-five members were present at the meeting.

Since printed copies of the proceedings of the last annual meeting had been sent to each member, the reading of the minutes of that meeting was omitted, in accordance with a motion duly carried.

Under the regular order of business the following report of the Executive Committee was read and accepted:

To the Alumni Association of Haverford College:

Your Executive Committee respectfully reports that two meetings have been held during the past year for the consideration of the regular business of the Association.

The twenty-first annual dinner of the Alumni Association was held at the Bellevue-Stratford, on February 15th, two hundred and thirty-five men being present. Frederic H. Strawbridge, '87, presided, and introduced the following speakers: President Sharpless; Professor Shailer Mathews, of Chicago University; President L. Lyndon Hobbs, '76, of Guilford College; Mr. Charles Heber Clark (Max Adeler); and Dr. Charles Wood, '70.

An unexpected pleasure was the presence of President Schurman, of Cornell, who came in and addressed the Haverfordians, while President Sharpless was welcomed by the Cornell men assembled in an adjoining room. President Schurman's topic was, "A Liberal Education," in connection with which he praised Haverford most highly.

A double quartette of the College Glee Club was in attendance. There was a general feeling that the dinner was the most successful ever held by the Alumni Association.

The price charged each person was \$3.50, which was not sufficient to cover all the costs incident to the dinner, and the deficit was paid, partly by a generous alumnus, and the balance out of the general funds of the Association.

The subject of the care and maintenance of the College Gymnasium, which was referred to your Executive Committee at the last Annual Meeting, was considered, and on motion referred to the College authorities as more properly coming under their jurisdiction. We understand that a marked improvement in this matter has been effected during the past winter.

Reports from all Standing Committees have been requested from the respective Chairmen for presentation at this year's Annual Meeting.

The deaths of the following matriculates of Haverford College have been reported to the Secretary during the past year:

'39 Lloyd Balderston December 23, 1907.

'48 Stephen S. Price.

- '53 Wistar H. Stokes.
 '54 David ScullNovember 22, 1907.
 '56 Henry Fothergill.
 '57 Jesse Sharpless Cheyney.
 '58 Ellis H. YarnallDecember 18, 1907.
 '59 William H. S. Wood.....December 11, 1907.
 '59 Folwell Buxton Hill.....April 16, 1907.
 '67 Adam Exton Witmer.
 '75 Harold P. Newlin.
 '80 William Ross Updegraff.
 '84 Frederick C. Butler.
 '90 William Bradford Eaton,
 M. D..... March 17, 1908.
 '99 Rufus Horton JonesAugust 19, 1907.
 '02 George Spencer Garrett ..November 28, 1907.

Respectfully submitted,

C. J. RHOADS, *Secretary*.

PHILADELPHIA, Pa., June 6, 1908.

The Committee on Membership presented a report as follows, which was unanimously accepted on motion duly carried, and the gentlemen named therein were thereupon declared admitted to membership in the Association:

To the Alumni Association of Haverford College:

The committee appointed at the last Annual Meeting to nominate members to the Association report that they have met and agreed upon the following nominations:

Franklin B. Levis, '53, Mt. Holly, N. J.
 George Brinton Thomas, '54, West Chester, Pa.
 Stephen G. Collins, '56, Philadelphia, Pa.

Victor W. Wheeler, '05, Rochester, N. Y.
 Donald A. C. Evans, '06, Philadelphia, Pa.
 Jackson Maloney, '06, Philadelphia, Pa.
 Karl Jackson Barr, '07, Paris, Ill.
 Richard Cadbury, Jr., '07, Haverford, Pa.
 C. Jansen Claassen, '07, Winnipeg, Man.

Respectfully submitted,

HENRY COPE, '69, *Chairman.*

HAVERFORD, June 10, 1908.

The Treasurer read the following report, which was accepted and ordered spread upon the minutes:

TREASURER'S REPORT.

General Account.

RECEIPTS.

Balance as per account of June 11, 1907	\$164.80
Subscriptions for General Purposes	781.00
Special Subscription for Cricket Pavilion	1.25
Interest on Deposits	1.93
	<hr/>
	\$948.98
	<hr/> <hr/>

PAYMENTS.

Expenses of Alumni Day, 1908	\$9.00
Dinner at the College, Alumni Day, 1907	450.00
Printing and sending out 1,000 copies of Alumni Number of College Bulletin	88.55
On account of Prize for Oratory for 1907	44.35
Medal for Prize for Oratory for 1908	4.00
Printing, Stamps, Stationery and Clerical Services	63.41
Deficit on Midwinter Dinner	11.33
Alfred G. Scattergood, refund of amount expended for tablets, etc., for Cricket Pavilion, as authorized at Annual Meeting, June 14, 1907	50.81

HAVERFORD COLLEGE.

7

Framing pictures and lettering tablets for Cricket Pavilion	\$6.25
Balance	221.28
	<hr/>
	\$948.98
	<hr/>

Midwinter Dinner Account.

RECEIPTS.

233 Subscriptions to Dinner on February 15, 1908, at \$3.50	\$815.50
Additional Subscriptions	3.00
From General Account to cover Deficit	11.33
	<hr/>
	\$829.83
	<hr/>

PAYMENTS.

Bellevue-Stratford Hotel, cost of dinner	\$787.50
Printing, Stationery, Stamps and Incidental Expenses..	42.33
	<hr/>
	\$829.83
	<hr/>

Respectfully submitted,

JONATHAN M. STEERE, *Treasurer.*

Examined and found correct.

OSCAR M. CHASE,

F. ALGERNON EVANS,

Auditors.

PHILADELPHIA, Pa., June 9, 1908.

The election of officers and an Executive Committee was next in order, and the Nominating Committee appointed for that purpose presented the following report:

To the Alumni Association of Haverford College:

Your Committee under appointment to nominate officers and an Executive Committee for the ensuing year,

has held two meetings within the last six weeks and is united in the following proposals:

President—James Wood, '57.

Vice-Presidents—James Tyson, '60.

Charles James Rhoads, '93.

J. Henry Scattergood, '96.

Secretary—Edward W. Evans, '02.

Treasurer—Jonathan M. Steere, '90.

Executive Committee—Joseph W. Sharp, Jr., '88.

Alfred Percival Smith, '84.

William Percy Simpson, '90.

William W. Comfort, '94.

Alfred M. Collins, '97.

Alexander C. Wood, Jr., '02.

John Browning Clement, '08.

Signed on behalf of Committee,

WILLIAM M. LONGSTRETH, *Chairman*.

STANLEY R. YARNALL, *Secretary*.

June 6, 1908.

On motion duly seconded and carried, the report was accepted and the gentlemen named therein were declared elected to the respective positions for the ensuing year.

The following letter from Mr. Lewis J. Levick was read and on motion referred to the incoming Executive Committee:

PHILADELPHIA, June 10, 1908.

F. H. STRAWBRIDGE, President,

Haverford Alumni Association,

Haverford, Pa.

Esteemed Friend:—It was my intention to attend this meeting, but unexpectedly I have been prevented.

I desire to call the attention of this Association to the propriety of assisting in the celebration of "Founders Week" next autumn. The granting of the Charter by William Penn to Philadelphia and Pennsylvania was, as Professor Sharpless says in his history of Quaker Government in Pennsylvania, a "Quaker Experiment in Government." It therefore seems eminently proper that Friends should take an active interest in celebrating the two hundred and twenty-fifth anniversary of this notable event. I can think of no better way to do this than for the Haverford Alumni Association to inaugurate the movement by inviting Professor Sharpless to make a public address before it some time during that week, and, if it is thought advisable, I would suggest that the Penn Charter School, Swarthmore College and the Friends' Central School be also invited to join us. If this meets with approval, I hope a committee will be appointed to take the subject under consideration with Professor Sharpless, and, if way opens, they be authorized to make all necessary arrangements for calling the meeting.

Yours very sincerely,

LEWIS J. LEVICK, '67.

Reports as follows from Committees were read:

REPORT OF COMMITTEE ON ALUMNI ORATORICAL PRIZE.

To the Alumni Association of Haverford College:

The Committee on the Alumni Oratorical Prize respectfully reports:

The Annual Contest in Oratory for the Alumni Prize took place in Roberts Hall on May 22, 1908, at eight o'clock p. m. Of your Committee there were present Messrs. Edward Y. Hartshorne, Jesse E. Philips, Jr., and the Chairman *pro tem.*, and the judges were Mr. Ellis Yarnall Brown, U. S. Koons, Esq., and Jonathan

M. Steere, '90. President Sharpless and Dr. Hancock entertained the judges and committee at dinner. President Sharpless presided at the contest. The third speaker on the printed program, James Carey Thomas, was prevented by work on the cricket team from being present, and his place was supplied by Cecil Kent Drinker, '08, with the subject "The Power of the Sea." The other contestants were, as on the printed program, as follows:

1. Joseph Passmore Elkinton...A Plea for Local Option
2. Clarence Creadick KillenA Leader of Men
4. Howard Milton Lutz..Hugo Grotius: Scholar of Peace
5. Jesse William Crites....The Feuds of the Cumberland
6. Paul Van Reed Miller.....Citizens and Residents

The Chairman *pro tem.* being advised of the sudden death of the father of the Chairman of the Committee, took up his work at the request of the Secretary of the Alumni Association, Mr. Rhoads, and at once communicated with the other members of the committee. He also wrote later to Professor Hancock announcing the names of the judges, one of which had to be changed at the last moment owing to an unforeseen engagement. Mr. Brown announced the decision of the judges, who unanimously awarded the prize to J. P. Elkinton, '08; they also seemed much pleased with the other orations, but there was no honorable mention made of any particular one.

In looking over the report of last year we note that the committee then mentioned being somewhat depressed by the small number of the audience, yet, on this present occasion, the number was still less—last year between

ninety and a hundred being present, and this year's audience numbering about seventy. Your Committee are well aware that conditions in the neighborhood seem to make it very difficult to largely increase our audiences (the neighbors evidently preferring other forms of entertainment, and the college students not being required to help make up the audience).

President Sharpless made the suggestion that this year's Committee might recommend that the Alumni and Everett contests be held on the same evening, with two Boards of Judges, and numbering not over six speakers at each contest.

The Committee would like to suggest further that it might be made a regular college event and come on a Friday evening, with no recitations the next day, and that attendance on the part of the students be prescribed, as at certain lectures. They would also suggest a considerably earlier date in the year, when other interests are not quite so prominent, and if any other features could be added to make the occasion still more attractive, this would be desirable.

Your Committee consider the high character of the performance of the contestants most praiseworthy, when it is remembered that much, or all, of the stimulus from a well-filled hall was lacking, and they desire to express commendation of the character of the orations and of the direct and argumentative presentation in preference to the old style declamation. The Committee would commend Professor Hancock for the good results shown in these contests; still they are of the opinion that a strong effort should be made next year, and succeeding years,

towards supplying a larger audience and in general making the occasion much more interesting.

On behalf of the Committee,

ALFRED PERCIVAL SMITH, *Chairman pro tem.*

PHILADELPHIA, Pa., June 10, 1908.

At the conclusion of the reading of this report the Alumni Oratorical Prize Medal was formally presented to J. Passmore Elkinton, '08, the winner of this year's contest.

The report was accepted and the Committee discharged with the thanks of the Association for its services.

REPORT OF COMMITTEE ON ATHLETICS.

To the Alumni Association of Haverford College:

Football, Soccer Football, Gymnasium Work, Track Sports and Cricket have held the attention of our students during the past year in the order named, beginning with Football in October.

In all of these sports there have been interesting contests with outside teams. We have not always been victorious, but we have played with commendable spirit and a true appreciation of the sport.

In addition to the above-named sports, in each of which nearly one-half of the student body take an active part for at least a short season, Tennis and Golf and "French Cricket" must be recognized as forms of exercise claiming quite a following.

It will thus be seen that at Haverford we go into a very commendable variety of sports; commendable in that it

gives a man the opportunity to represent his college in the game best suited to him; also in that the rotation through the year is so well distributed that there is always the chance to indulge in some one form of exercise. But, on the other hand, unfortunately, it has seemed to your Committee, looked at from the viewpoint of considering the welfare of the collegiate contests in these sports, the season for one crowds into the season for the next, each claiming some strong men, and so dividing our strength.

Your Committee does not wish to step beyond their own confines, but some of us believe that it would be better for the students, and better for the sports of the students, if the college year began at least one week earlier and closed at least one week later than is the present custom.

Cricket could then be played for three or four weeks in the fall. Three "match" games could easily be arranged, and a later and better schedule in the spring. Football practice should not begin before October 15th, as the season is now too long for such a strenuous game. A period of six weeks for the sport, with four or five well-selected games with other colleges, would amply suffice. The Soccer season to follow and the winter work in the Gymnasium and in the Cricket Shed to lead up to the Track and Field sports in April and early May. Then Cricket for May and June.

We believe this plan would be beneficial and hope the College will give it consideration.

In Football, eight (8) games were played.

Games won, six (6), with Medico-Chirurgical, Dela-

ware, New York University, Ursinus, Lehigh and Rutgers.

Games lost, two (2), with Franklin and Marshall and Trinity.

Haines, 1907, will act as head coach next season, while Thorn, 1904, will be Chairman of the Football Committee.

In Soccer Football, thirteen (13) games were played in all. Three teams played during the season, all with reasonable success.

Pennsylvania, Cornell and Harvard were defeated, but we lost to Yale by a score of one goal to two.

In Track and Field Sports, besides the Twentieth Annual Interclass Meet, Haverford met and defeated New York University 61 points to 43, and tied with Lehigh.

The Gymnasium Team entered the Annual Quadrangular Gymnastic exhibition with New York University, University of Pennsylvania and Princeton. They also won contests with Lehigh and with the University of Pennsylvania. The Fifth Annual Interscholastic Meet was held at the College, February 14th, and seventeen schools sent entries.

In Cricket we were defeated this year by the University of Pennsylvania; score, 133-64. The fielding of the Haverford team was strictly first class. We won easily from Cornell; score, 238 to 25.

Harvard was unable to put an eleven in the field. Only three games were played with local clubs, two of which, Merion and Germantown, were won.

The Second and Third Eleven won most of their games.

Cricket is not being supported by the Alumni as it should be, and your Committee would earnestly urge all cricketers and others of the Alumni to lend encouragement by their presence at the matches.

Dr. Babbitt's introduction in this year's "Haverford College Athletics" opens as follows:

"This published record for 1907-1908 reveals a year successful in nearly every branch of athletics, and we are again proud of the standing of Haverford College."

On behalf of the Committee on Athletics,

JOSEPH W. SHARP, JR., *Chairman*.

After presenting the above report Mr. Sharp added that, in accordance with a resolution adopted a year ago, he had communicated with the athletic authorities at Harvard University asking that the one-year eligibility rule be abrogated at Harvard so far as it applies to the cricket elevens. A reply was received stating that at present there was no cricket eleven at Harvard and that the request would be duly considered should a team be organized.

Mr. A. G. Scattergood, '98, suggested that arrangements be made to have the cricket coach give his whole time to the College team until the conclusion of the College year instead of dividing his time with the Merion Cricket Club after the 1st of May, as at present.

Mr. J. W. Sharp, Jr., '88, expressed the hope that we might form a board of Alumni Cricket Coaches, who would regularly come to the College and stimulate interest in the game by precept and example.

The report was accepted and the Committee discharged with the thanks of the Association for its services.

REPORT OF COMMITTEE ON CELEBRATION OF SEVENTY-FIFTH ANNIVERSARY.

To the Alumni Association of Haverford College:

The Committee of the Alumni, appointed to make arrangements for the Seventy-fifth Anniversary of the College, report that they have held several meetings and appointed sub-committees on, Securing Contributions; Literary Exercises and Speakers; Invitations and Class Enthusiasm; Food and Entertainment; Decorations and Publicity; Sports; Singing and Undergraduates.

The Chairmen of these sub-committees constitute the Executive Committee of the celebration. They sent in January a preliminary circular to all old Haverfordians and have followed it in June with another circular giving more detailed information of the programme. Copies of these circulars are appended. Classes have been organized and solicitors appointed to secure contributions to funds for College uses.

It was decided to attempt to secure \$50,000 for the chemical section of the science hall, and \$50,000, the income from which to be used in aiding professors, principally by way of pensions. These funds have not yet been completed, but encouraging progress has been made. The Committee is working in various directions and has received much encouragement.

Representatives of many other colleges will be present at the celebration, and Haverfordians, some from a great

distance, have accepted invitations. It is expected to make it the greatest meeting of the kind ever held at Haverford.

On behalf of the Committee,

C. J. RHOADS, *Secretary*.

PHILADELPHIA, June 9, 1908.

[Copies of circulars appended to above report.]

PHILADELPHIA, January 10, 1908.

To all Haverfordians:

The coming autumn marks the Seventy-fifth Anniversary of the opening of Haverford.

At the last annual Alumni meeting a large committee was appointed to co-operate with the Managers and Faculty in arranging for a fitting celebration of the event.

October 16th and 17th have been selected as the time for gathering at the College; and this preliminary notice is now issued by the Executive Committee in order that every Haverfordian may have ample time for arranging to be present.

Each one is urged to do all in his power to facilitate and insure the attendance of his classmates and contemporaries and their families.

Committees have been appointed to arrange all details, and to secure the attendance of several distinguished guests. A full detailed programme of the proposed exercises and arrangements will be issued in due course.

Yours fraternally,

HENRY COPE, '69;

WILLIAM L. BAILY, '83;

JOSEPH W. SHARP, JR., '88;

WILLIAM WISTAR COMFORT, '94;

WALTER C. JANNEY, '98;

ALFRED C. MAULE, '99.

FREDERIC H. STRAWBRIDGE, '87,

Chairman.

CHARLES J. RHOADS, '93, *Secretary*.

HAVERFORD COLLEGE.

PROGRAM OF THE SEVENTY-FIFTH ANNIVERSARY, 1833-1908.

October 16, 1908.

3.30 P. M.—EDUCATIONAL MEETING in Roberts Hall.

(1) Announcement of Universities and Colleges represented.

(2) Addresses by Woodrow Wilson, President of Princeton University; Theodore William Richards, '85, Professor of Chemistry in Harvard University; and George Wharton Pepper, Algernon Sidney Biddle Professor of Law in the University of Pennsylvania.

(3) Conferring of Honorary Degrees.

7.00 P. M.—SUBSCRIPTION DINNER in the College Dining Hall, open to all Haverfordians. Representatives of other institutions will be present as guests.

*October 17, 1908.**Cricket and other Athletics in the forenoon. A Procession in the afternoon or evening.*

12.30 P. M.—LUNCHEON in the College Dining Hall.

2.00 P. M.—FOOTBALL GAME on Walton Field. Haverford *vs.* Franklin and Marshall.

4.00 P. M.—TEA on the lawn or in the Gymnasium.

4.30 P. M.—HISTORICAL MEETING in Roberts Hall. Addresses by President Sharpless and Professors Francis B. Gummere and Rufus M. Jones.

6.00 P. M.—COLLATION in the College Dining Hall. Free to all Haverfordians and members of their families.

7.30 P. M.—INFORMAL MEETING in Roberts Hall, with short addresses by old Haverfordians; college songs, etc.

A large number of Haverfordians have already signified their intention to be present, and we believe it will be the greatest

gathering ever held at Haverford. Classes desiring to have dinners, should arrange to hold them in Philadelphia or elsewhere, on October 15th. On the forenoons of the 16th or 17th of October, rooms will be provided for class meetings at the College. To secure rooms, word must be sent in advance to Secretary of Haverford College, Haverford, Pa.

A detailed programme will be issued a short time before the celebration.

On behalf of the Alumni Committee,

FREDERIC H. STRAWBRIDGE, '87, *Chairman*.

CHARLES J. RHOADS, '93, *Secretary*.

JUNE 1, 1908.

The report was accepted and the Committee continued for another year to complete the work as outlined. The Committee is as follows:

Edward Bettle, Jr., '61	Joseph W. Sharp, Jr., '88
Henry Cope, '69	J. Stoddell Stokes, '89
John M. Whittall, '80	Charles J. Rhoads, '93
John C. Winston, '81	William W. Comfort, '94
William L. Baily, '83	J. Henry Scattergood, '96
Alfred Percival Smith, '84	Alfred M. Collins, '97
Frederic H. Strawbridge, '87	Walter C. Janney, '98
	Alfred C. Maule, '99

REPORT OF COMMITTEE ON HALL OF FAME IN CRICKET PAVILION.

To the Alumni Association of Haverford College:

The Committee on Hall of Fame in Cricket Pavilion, appointed at your last annual meeting, reports that it has had prepared and placed in the Pavilion during the past year:

Tablet for the XI of 1907.

Framed pictures of the Captains of the XIs of 1906 and 1907.

To do this required its full appropriation of \$5.00, which amount the Association is again requested to appropriate, if the Committee is continued for the ensuing year.

It having come to the attention of the Committee that an effort is being made to collect and place in the Pavilion pictures of all previous College Cricket XIs, they desire to say that even were there room in the Pavilion for these pictures, the Committee would, by the terms of the resolution under which they were appointed, be compelled to exclude them.

It may be of interest to record here that in return for the privilege of being allowed to hold their rehearsals in the Pavilion, the Musical Clubs have agreed to furnish it in an appropriate manner and to instal heating apparatus to be approved by the authorities. This should, in our opinion, greatly improve the building and further promote its usefulness to the student body.

On behalf of the Committee,

A. G. SCATTERGOOD, '98, *Chairman*.

PHILADELPHIA, June 2, 1908.

The report was accepted and the annual appropriation asked for is hereby authorized. The Committee was released with the thanks of the Association for its services.

Under new business, Mr. Alfred Percival Smith proposed the following resolution:

Having in view the fullest utilization of the new building proposed as the home of the social and religious activities of the

College, and the making it a common center for the Alumni, undergraduates, Faculty and friends of Haverford, it is proposed that, at his convenience, the President of the Alumni shall designate a committee of nine (with power to add to their number if desirable), who shall carefully formulate a plan or form of organization, which may be adopted, if acceptable and adequate.

The motion was seconded and carried unanimously.

Mr. J. Henry Scattergood moved the thanks of the Association be tendered Mr. Alfred Percival Smith for his gift of a hall for the use of students and alumni, which motion was carried with much enthusiasm.

Mr. W. G. Audenried, Jr., offered the following resolution, which was duly seconded:

WHEREAS, It is manifestly desirable that Commencement Day and Alumni Day be held upon the same day, and

WHEREAS, The presence of a large number of Alumni annually at Haverford must work for the good of the College, and

WHEREAS, It is probable that many of the Alumni living at a distance from Philadelphia will be deterred from attendance in the mid-week; therefore, be it

Resolved, That it is the sense of the Alumni here assembled that the change in the day for holding Commencement is likely to prove a detriment to the large attendance of Alumni at the College on that day, and that a return to the former day of the week is greatly desired, if practicable; and it is further

Resolved, That the Secretary be instructed to forward a copy of this resolution to the Board of Managers and to the Faculty, in the hope of securing their co-operation in carrying out this desire.

After some discussion and an expression of opinion from President Sharpless that the Faculty and Managers would be glad to consider the question, the resolution was adopted.

Mr. A. G. Scattergood stated that the general condition of the Gymnasium building, about which complaint was made last year, had been greatly improved.

Announcement was made that the incoming President would appoint the Standing Committees in due course. Subsequently the following appointments were accordingly made:

COMMITTEE TO NOMINATE MEMBERS TO THE ASSOCIATION.

Henry Cope, '69, <i>Chairman</i>	D. Shearman Taber, '94
Stuart Wood, '70	Paul D. I. Maier, '96
Samuel Mason, '80	Edgar Earl Trout, '02
Richard J. White, '87	Winthrop Sargent, Jr., '08

COMMITTEE TO NOMINATE OFFICERS AND AN EXECUTIVE COMMITTEE.

Arthur V. Morton, '93	Frederick P. Ristine, '94
<i>Chairman</i>	Francis N. Maxfield, '97
Elias H. White, '85	E. Marshall Scull, '01
Allen B. Clement, '87	E. Converse Peirce, '05

COMMITTEE ON ALUMNI ORATORICAL PRIZE.

Parker S. Williams, '94	Alfred Percival Smith, '84
<i>Chairman</i>	Jesse E. Philips, Jr., '87
Edward Y. Hartshorne, '81	William C. Longstreth, '02

COMMITTEE ON ATHLETICS.

Joseph W. Sharp, Jr., '88	Dr. Francis B. Jacobs, '97
<i>Chairman</i>	Alfred C. Maule, '99
Henry Cope, '69	Dr. Frederic C. Sharpless, '00
Dr. Thomas F. Branson, '89	Henry S. Drinker, '00
Charles J. Rhoads, '93	C. Christopher Morris, '04
J. Henry Scattergood, '96	H. Norman Thorn, '04
Alfred M. Collins, '97	Dr. James A. Babbitt

COMMITTEE TO AUDIT TREASURER'S REPORT.

F. Algernon Evans, '99

James B. Drinker, '03

COMMITTEE ON HALL OF FAME IN CRICKET PAVILION.

Alfred G. Scattergood, '98

Harold Evans, '07

Chairman

Thomas K. Sharpless, '00

COMMITTEE ON ALFRED PERCIVAL SMITH BUILDING.

Alfred Percival Smith, '84

Jacob Jarden Guenther, '09

Chairman

President H. C. Y. M. C. A.,

James Wood, '57.

ex-officio

President of Alumni Association,
ex-officio

William P. Morris, '86

Charles J. Rhoads, '93

Isaac Sharpless

Alfred G. Scattergood, '98

President of Haverford College, *ex-officio*

Dr. George Peirce, '03

Cecil K. Drinker, '08

The meeting, on motion, adjourned.

C. J. RHOADS,

Secretary.



